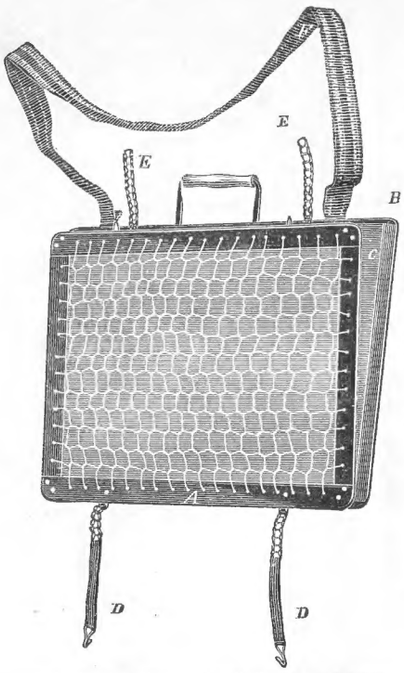
Lists of Plants.

(4)

Cusick, W. C.	Oregon, 1880.	p. 40.
" " "	" 1881.	p. 46.
Harvey, F. L.	Arkansas, 1881.	p. 42.
Howell, J. & T.	Oregon, 1880.	p. 44.
Jones, M. E.	Utah, 1879.	p. 34.
Lemmon, J. G.	California, 1876.	p. 5.
Macoun, J.	February, 1880.	p. 37.
Matthews, Dr. W.	California, 1879.	p. 32.
Palmer, E.	Arizona & S. Calif. 1876.	p. 13.
" "	S. Utah & Arizona, 1877.	p. 26.
Parry & Lemmon,	S. California, 1876.	p. 21.
Rothrock, J. T.	S. Cal. (Wheeler Exped.) 1875.	p. 1, 7.

Roessler's Portable Wire Plant-Press.

AS DESCRIBED BY PROFESSOR D. C. EATON.



ROESSLER'S PORTABLE WIRE PLANT-PRESS.

A few years ago, Professor Alphonso Wood described in the "Bulletin of the Torrey Botanical Club," a wire or wire-netting botanical press, which he had found of great service while collecting plants in California. But it does not appear that any presses of Professor Wood's pattern were ever manufactured for sale.

Mr. Paul Roessler, of New Haven, Conn., has now, however, perfected a wire botanical press, something like Professor Wood's, but more like the presses used in some parts of Germany. It will be seen from the accompanying engraving that instead of a heavy wire border, the border is of thin strap iron, A, which is perhaps an improvement.

One side of the press is furnished with chain-work straps E, and the other side with four little hooks, projections, to which the chains may be fastened, by any one of their links, with no trouble, so that whether empty or full, the press will securely hold and compress the contents. Elastic straps, D, at the ends of the chains, are furnished with hooks to secure the chains, so that the press cannot be thrown open by accident, but may be opened and readjusted without delay. The presses have their sides of knitted wire-work drawn tight, and are handsomely japanned, so that they will not rust. They may be carried by either a handle or strap, as seen in the figure. Presses or portfolios of this kind have the very great advantage of permitting evaporation to go on from the sides, while board presses depend entirely on absorption by the dryers. I have found that by the use of a press of this kind, even kelps and rockweed (Laminariæ and R. Fuci) may be readily dried, especially if the press be placed in a current of heated air, as for instance, over a common hot-air register. These presses are made of just the proper size to prepare specimens suitable for the common size of American herbarium paper, 16⅝ by 11½ inches.

The undersigned keeps on hand and for sale a full assortment of Botanical Microscopes, such as the Gray's large Class microscope, for dissecting; the Tenney microscope, and others; also, all the implements used in the study of botany, such as dissecting knives, forceps, Eaton's plant digger, and paper for drying and pressing.

Respectfully,

PAUL ROESSLER,
251 Chapel Street, New Haven, Conn.

Rothrock – continued. from p. 3 346.: 225. Gymnophytum diffusum. ?

Box to Dr. Coss
address
Dr. E. Coss
7, Rue Abbatucci, Paris
paid.

1 / copy Structural Botany
1 / copy of Synopt. Flora N. Am.
1 / " Fasc. 1. & 2. of Curtiss's S. Plants
($40) – presented by us.
1 / sets of Rugelius Mex. Plants – little value –
1 / set Hendle's Ferns of Trinidad.
$ — 7.50
1 / " Palmer & Parry's Plants of
Mexico. 583 Species. 58.00
1 / set Palmer's Plants of Arizona
& California – said to be 439 N. 25.00

1 / set Wright Cuban Plants
said to be 950 – N.
1 " 15 – Palms of Cuba.
1 " a large set of Orchids "
Dr. Coss to pay what is
proper

2½ × 2½ × 3⅝
6¼
23
24 feet

~~Other~~

Other Contents of box to Cosson.

Herbarium of Jardin des Plantes.
1 1. package of Dried Plants
1 1 book for Prof. Decaisne.
1 1 " Library of Botanical Society of France.

1 1 Package (Curtis Flora Plants Fasc. 2.) for M. Boissier of Geneva.
1 1 Package Parry & Palmer Mex. Pls. for M. Boissier

		Cosson	Boissier
3 bundles Curtiss	$60.00	40.00	20.00
1 set Mexp. to Cosson	64.00	64.00	—
1 " " Boissier	45.00	—	45.00
1 " Palmer, Arizona	25.00	25.00	—
1 " Wrights Cuban	100.00		—
1 " Trinidad Ferns	7.50	7.50	—
Miscellaneous	15.00	—	—
Books	11.00	—	—
	$ 331.50		$ 65.00

less duties, 2.40

Rec. July 15th 1879. $ 62.60

Rothrock - continued. from p. 3

292.
3. Madia elegans.

346. = 225. Gayophytum diffusum.
7.
8.
9.
350. Pinus flexilis

1876.

Lists of Plants.

Herbarium Receipts

&

Distributions.

Rothrock – July 30

Mrs. Young – July 11

E. Palmer – July 12. S. Utah

Dr. Rothrock – S. Colorado.

1. Acer glabrum
2. Jamesia Americana
3. Ribes lacustre, v. echinum.
4. " leptanthum
5. " sanguineum, var. (R. Wolffii)
6. " cereum
7. = 4
8. " ~~[illegible]~~
9. = 5
10. " aureum
11. = 5
12. Malvastrum coccineum
13. Sphaeralcea incana
14. Sidalcea malviflora
15, 16. Galium trifidum
17. " boreale
18. Symphoricarpus oreophilus
19. Lonicera involucrata
20. Campanula Scheuchzeri
21. Mimulus cernuus
22. " luteus
23. = 21
24. " ~~[illegible]~~
25 " flavus, var.
26, 28 " flavus
27. " guttatus
29, 30. ~~[illegible]~~

Dr. J. T. Rothrock's Collection in 1875 in S. California, on Lt. G. M. Wheeler's Expedition

Rec'd. Jan'y 30th

1.
2.
3. Anemospais Californica
4.
5.
6.
7. Sandwiceon rigidum
8. Mesembryanthemum aequilaterale, Haw.
9.
10. Opuntia Engelmanni, var.?
11.
12.
13. Clarkia elegans
14. Sidalcea humilis
15. =222. Mentzelia albicaulis. Dougl.
16. Brassica nigra
17. Cardamine Gambellii - n. sp.
18. Oenothera cheiranthifolia, v. suffruticosa.
19. Horkelia Californica
20.
21.
22. Rosa Californica : 228.
23. " "
24. Hosackia glabra (scoparia)
25. Melilotus parviflora
26. Trifolium involucratum =216, 237, 245, 300
27. Lupinus arboreus (# 49?)
28. Lupinus Brewori : 270, 391.
29.
30. } Cornanthe Californica, Watson.
31.
32. =370, 384. Carum Gairdneri, Mtt. + Hk.
33. Chaenactis Douglasii
34. =309. Troximon glaucum, var.
35. Troximon Chilense
36.
37. Baeria congestiflora.
38.
39. Centaurea Melitensis.
40. Abronia umbellata
41.
42.
43. Audibertia stachyoides, Bth.
44.
45. =84. Heteromeles arbutifolia.
46.
47.
48. Mitella rubrum (from Mex°.)
49.
50.
51.
52.
53. Mimulus luteus
54.
55 = 96. Frankenia grandiflora.
56.
57.
58.
59.
60.
61. Chenopodium album
62. Chorizanthe staticoides
63. Polygonum aviculare
64. Rumex conglomeratus
65. [Medicago sativa, Nyhma.]
66.
67.
68.
69.
70.
71.
72.
73.
74. ~~Rumex conglomeratus (or var?)~~
75. ~~Heteromeles~~
76.
77.
78.
79.
80.

2.

81.
82. Encelia Californica, Nutt.
83.
84.
85. =45. Heteromeles arbutifolia.
86. Eschscholtzia Californica.
87. Sarcodes sanguinea
88.
89. ~~Hosackia Stangiana (fr~~ Lup. arboreus, 27.)
90. Lupinus nanus
91.
92.
93.
94. Anagallis arvensis.
95.
96. =55. Frankenia grandiflora.
97.
98.
99.
100. Iris Douglasiana ?
1.
2. Erysimum asperum. ? [Torularia stellata Arig.]
3. [Zygadenus ~~elegans~~ - Arig.]
4.
5.
6. Salicornia ambigua
7. Medicago denticulata. [Arig. allium cernuum]
8. Rhamnus Californica. =226.
9. Lonicera involucrata.
110.
11. Thalictrum Fendleri
12. =126.
13. Croton gracilis
14.
15.
16. Ribes Menziesii
17.
18. Boykinia occidentalis.
19.
120. Malvastrum splendidum, Gray. ?
21.
22.
23. Eriogonum fasciculatum
24.
25. Helianthemum scoparium.
26. Arctostaphylos canescens =112. 135
27. Adenostoma fasciculata =177.
28.
29. Lupinus affinis.
130.

131. Solanum Xanti.
2. Ceanothus spinosus
3.
4.
5.
6.
7. Audibertia grandiflora.
8.
9.
140.
1. Silene laciniata
2.
3. =217. Epilobium coloratum
4.
5.
6.
7.
8. Calochortus Kennedyi
9. Cotyledon laxa.
150.
1. Eremocarpus setigerus
2. Cressa Cretica.
3. Chenopodium album
4. Lepigonum medium.
5. Oenothera micrantha, Hornem.
5a. [Microbilis angustifolia, form - Arig.]
6. 6a. Allionia incarnata
7. 7a. Boerhaavia wrightii
8. Erodium cicutarium.
9.
160. Silene Gallica.
1.
2. Urtica holosericea
3.
4. Quercus agrifolia
5.
6.
7.
8. Chorizanthe staticoides
9. =415. Zauschneria Californica.
170.
1. Sisyrinchium anceps ?
2. Pavalia macrostachya
3.
4. Datisca glomerata
5. Amaranthus albus
6. Isomeris arborea.
7. =127. Adenostoma fasciculata.
8. Hosackia Purshiana. [Arig]
9. Eriogonum fasciculatum [Trifolium gracilentum]
180.
1. Gutierrezia Sarothrae.
2.
3.
4.

185
6. Quercus dumosa
7. Salix
8. Nasturtium officinale.
9. Trif. tridentatum, var. melacathum
190. Asclepias fascicularis.
1. Lythrum alatum, v. linearifolium (L. Californicum)
2.
3.
4.
5.
6. Cercocarpus parvifolius.
7. Alnus Nuttallii. Ariz.
8. Quercus lobata
9. Eriogonum polyanthum, v. bahiaeforme
200. Corethrogyne filaginifolia, var.
1. Eriogonum nudum, v. pauciflorum
2. Eriogonum fasciculatum, v. foliolosum
3. Salvia columbariae.
4.
5. Quercus chrysolepis
6.=209. Lupinus albicaulis
7.
8.
9.=206. Lupinus albicaulis [Habilanus tachys.]
210. Orcutia laxiflora.
1.
2.
3. Arceuthobium vaginatum
4. Pinus Sabiniana
5.=411. Horsackia Torreyi.
6.=26. Trifolium involucratum.
7.=143. Epilobium coloratum. =237. 255. 300.
8.
9. Eriogonum Baileyi
220. Eriogonum nudum, v. pauciflorum
1.
2.=15. Mentzelia albicaulis.
3.
4. Lupinus hirtcolus, Kell.
5.=346. Gayophytum diffusum.
6. Rhamnus Californica.=10 v.
7.
8.=22. 23. Rosa Californica.
9. Clematis ligusticifolia, v. Californica.
230.
1.
2.
3.
4.
5. Boisduvalia densiflora.
6.
7. Trifolium involucratum [Alnus Nuttallii] Ariz. =26. 216. 255. 300
8. Sisyrinchium Arizonicum, Rott. n. sp. sub.

239. Aster Mengiccii
240. Sidalcea malviflora.
1. Hypericum Scouleri.
2. Epilobium paniculatum
3. Potentilla gracilis, v. rigida. [Syg. elegans] Ariz.
4.
5.
6. Gnaphalium Spenglii
7. Achillea Millefolium.
8.
9.
250.
1. Pinus Sabiniana (?)
2.
3.
4.
5. Chenopodium album
6. Iva axillaris.
7.
8. Aesculus Californica.
9. Eriogonum virgatum
260. " elatum
1.
2. Betula angustifolia.
3. Quercus chrysolepis
4. Negundo Californica.
5.
6. Pinus flexilis
7. Ribes cereum.
8.
9.
270.=255. 391. Lupinus Brewer[illegible], var.
1.
2.
3. Centrostegia Thurberi
4. Euphorbia albomarginata
[5. Amaranthus wrightii] U.S.R.
6. Juglans Californica
7.
8. Fremontia Californica.
9. Geranium caespitosum
280. Vitis Californica.
1. Mentzelia laevicaulis, Torr.
2.
3. Aster aestivus
4. Chenopodium album
5.=216.
6.
7.
8.
9. Horsackia oblongifolia, Bth
290.
1.=304. Ranunc. aquatilis, v. trichophyllus.

4.

J. G. Lemmon – 1876

Sierra Co., Cal.

Recd. Feby 5, 1876.

66. Ranunculus Californicus, Btn., common
67. Delphinium decorum, v. Nevadense, M. – Sierra val.
68. Thelypodium laciniatum, Endl. Plutos Gate, between Echo & Carson
69. Dentaria tenella, Pursh. – Butterfly Valley
1070. x Cleome platycarpa, Torr. – Reno
1. Thelyp. laciniatum, var.? Gray's valley, betw. Lone Spring Valley & Pyr. Lake. Grass of Butte.
2. = 1068. Shore of Pyr. Lake.
3. Cleomella parviflora, Gray. – Reno
4. Lepidium Wrightii, Sp. nov. Sierra val.
5. Silene Lemmoni, Watson. Sierra & Webber Lake vall.
6. = 1077. – Indian, Big Meadows, & Amer. Valleys, Plumas Co.
7. Silene pectinata, Watson. Sierra vall.
8. Silene Douglasii, form. Sierra & Webber vall.
9. Silene Lyallii, Watson var. Lassens & Webbers Peaks
80. Arenaria congesta, Nutt. Sierra vall.
1. Silene montana, Watson. Webber Lake vall.
2. Silene occidentalis, Watson. Cascade Valley, near Lassens Peak
3. Silene Lyallii, Watson.
4. Silene Douglasii, form.
5. Silene Douglasii, form.
6. Lupinus minimus, Dougl.
7. Astrag. Austinae, Gray. n. sp.
8. Astrag. Mortonii
9. Astragalus Andersonii, Gray.
90. Astrag. Bolanderi, Gray.
1. Ribes lacustre, var. molle, Gray.
2. Ribes oxyacanthoides
3. Heuchera rubescens, Torr.
4. Sedum Rhodiola
5. Oenanthe sarmentosa, Nutt. (new.)
6. Angelica Breweri, Gray.
7. Peucedanum – n. sp.? P. Geyeri
8. Ligusticum? – not determinable.
9. Aralia Californica, Watson
1100. Aster integrifolius, Nutt.
1. Brickellia grandiflora, v. minor.
2. Stericocarpus rigidus
3. Brachyactis frondosa
4. Erigeron divergens
5. Erigeron Nevadense
6. Solidago occidentalis
7. Brickellia microphylla
8. Stylopappus lanceolatus, var. near virgatus
9. Bigelovia Howardii, var. Nevadensis

1110. Bigelovia Douglasii, var. stenophylla, Gray
1. Stylopappus Bloomeri, Gray.
2. Aster Bloomeri, Gray.
3. Aster Menziesii, form
4. Bigelovia arborescens
5. Erigeron Canadense
6. Aster (Machaeranthera) canescens
7. Pyrethrum Parthenium
8. Gilia floccosa
9. Lessingia leptoclada
1120. Lycoderamia spinosa, v. cladospappa
1. Stephanomeria exigua
2. Stephanomeria virgata
3. Lactuca Canadensis
4. Comandra pallida
5. Claytonia Nevadensis, n. sp.
6. Veronica peregrina
7. Pentstemon gracilentus
8. Pentstemon, Lemmoni, Gray
9. Mimulus moschatus, var.
1130. Antirrhinum Kingii, var. bicolor
30. Hydrophyllum occidentale, var. Watsoni, Gray.
1. Madia glomerata
2. Gilia heterophylla
3. " interlecta
4. " micrantha
5. " divaricata
6. = 1134.
7. Gentiana simplex or errata?
8. " calycosa.
9. Asarum caudatum, Lindl., var. curtum,
1140. ~~Blitum~~ Monolepis pusilla
1. Chenopodium Botrys.
2. Atriplex phyllostegia?
3. Eriogonum plumatella
4. " marifolium, ~~var.~~
5. " Lobbii
6. " marifolium, var.
7. " microthecum
8. " Wrightii, var.
9. " pyrolaefolium

1150. Eriogonum caespitosum
1. Populus tremuloides, lux.
2. " trichocarpa
3. Pinus flexilis
4. Quercus [illegible]
5. " [illegible]
6. " [illegible]
7. Triticum violaceum, var.?
8. Spiranthes Romanzoviana
9. ~~Aspidium~~ angustum
1160. ~~Cystopteris fragilis~~ Phegopteris dryopteris
1. Orn. [illegible] =1233.
2. Gilia aurea
3. Lamarckia aurea
4. Polycarpon depressum
5. Actinolepis Wallacei
6.
7. Gilia Palmeri
8.
9.
1170.
1
2
3
4
5
6
7
8
9
1180. Centrostegia Thurberi
1
2
3
4
5
6. Trifolium Leamoni
7 Astrag. Lemmoni
8 " lentiformis
9 Hulsea nana, var. Larseni
1190 = 1149.
1 Ranunc. alismaefolius, v. alismellus
2 Antirrhinum Kingii
3 = 1073
4 Gilia interlexta
5 Lophanthus urticifolius
6 Monolepis pusilla, var = 8995.
7 Delphinium simplex, var.
8 Calochortus Leichtlinii
9 Horkelia fusca - abnormal form
1200 Potentilla Bonnii - form.

1201. Polygonum Shastense
1202 Eriogonum - marifolium
3. Gilia congesta
4 Echinospermum deflexum, var.?? =734.
5. Polygonum Torreyi
6. Atriplex — too young.
7. Mentzelia dispersa
8 Erysimum asperum
9. Troxinon glaucum
1210 Polygonum coarctatum
1 = 1097.
2 Mimulus rubellus
3 " " var. latiflorus.
4 Claytonia Caroliniana, var.
5 Claytonia tripetala
6 ~~Horkelia fusca~~
~~Atriplex too young.~~
7 Linum trigynum, form
8 Ribes sanguineum, var. variegatum
9 Cirsium Andersoni
1220 Arnica foliosa
1 Aster adscendens
2 Sedum obtusatum.
3 Triptilum longipes - low form.
4 Abronia umbellata
5 Milla ixioides
6 Orthocarpus pilosus
7 Aplopappus lanceolatus
8 Gilia linifolia, var.
9 Pellaea Bridgesii
1230. Cheilanthes gracillima
1
2 Silene montana
3 Orn. dubiata, var. grandiflora
4 Gilia dianthoides
5 " Palmeri = 1167.
6. Centrostegia leptoceras
7. Agoseris Americana
8. Gilia cordatifolia
9. Vesicaria montana
1240. Nemacladus tenuiculus, n. sp.
1. Gilia micromeria
2. Hulsea ~~Parryi~~ nana, var. Larseni
3. Draba aurea
4. Cyperus inflexus
5. Lupulus parviflora
6. Carex tenella
7. Scirpus riparius
8. Carex Hoodii
9.
1250.

b.

1250 1
2
3
4
5
6 Lepigonum medium ?
7 Loeflingia squarrosa
8. —
9. Nama demissa.
1260. Eritrichium circumscissum
1. Platina americana.
2
3 Brickellia [illegible]
4
5
6
7
8
9
1270 Halophila occidentalis
1 Tripolium dummoni
2 Ranunculus Lemmoni
3 " Nelsoni
4
5 Draba alpina, var.
6
7
8 Astragalus austinae.
9
1280
1
2
3 Juncus acuminatus
4
5 Acorus calabrum
6 Lepidium Menziesii
7 Calandrinia Menziesii
8
9 Oenothera gracilipes
1290
1 Hosackia pauciflora
2 Hesperocnide tenella
3 Cardamine oligosperma
4
5 + 5½. Claytonia exigua
6
7
8
9 Sphaerophysa annulina, Roth
1300

Rothrock - continued.

292.
3. Madia elegans.
4.
5. Oenothera biennis, v. grandiflora.
6.
7.
8.
9.
300. =264. Trifolium involucratum
1.
2.
3.
4. =291. Ranunc. aquatilis, v. trichophyllus.
5. Lupinus confertus, Kell.
6.
7. Trifolium monanthum
8.
9. =34. Troximon glaucum, var.
310. Stellaria longipes.
1. Sagina linnaei.
2.
3.
4.
5.
6.
7.
8.
9.
320.
1. Aster [illegible] (Rothrock thinks) - [illegible]
2. Nasturtium obtusum.
3.
4. Potentilla Wheleri, n. sp.
5.
6.
7. Horkelia purpurascens, n. sp.
8. Lupinus rivularis
9.
330. Cercocarpus ledifolius.
1. Eriogonum spergulinum
2. " trichopodum
3.
4.
5. ~~Abronia~~ carneus
6.
7. Juniperus occidentalis ?
8.
9.
340. Abronia turbinata
1.
2.
3. Aira [illegible]
4. Castanopsis chrysophylla
5.

346. =225. Gayophytum diffusum.
7.
8.
9.
350. Pinus flexilis
1.
2.
3.
4. Ceanothus divaricatus.
5. Angelica lineariloba
6. Eriog. Abertianum
7.
8.
9. Mirabilis longiloba
360. Eupatorium occidentale.
1. Epilobium origanifolium Barbey
2.
3.
4.
5. Hypericum Scouleri, HK.
6.
7. Celtis
8.
9. Sisymbrium incisum.
370. =32. 364. Carum Gairdneri.
1.
2.
3. Aconitum Fischeri
4. Delphinium depauperatum.
5.
6. Potentilla glandulosa, v. sieversii.
7.
8. [illegible]
9. Amaranthus Palmeri ♂
380.
1.
2.
3. Pinus contorta
4. = 370.
5.
6.
7.
8.
9.
390. Eriog. ovalifolium, [illegible]
1. = 27. 270. Lupinus Brewer, var.
2.
3.
4. Aster Andersonii
5. Veratrum Californicum
6. Aster astivus
7.
8.
9.
400. Epilobium obcordatum
1.
2.
3.
4.
5. Lupinus andersonii (?) var. (?)

406.
7. Lupinus Lyallii, var. Danaus.
8. Geranium Richardsonii
9.
410.
1. = 215. Hosackia Torreyi
2.
3. Trif. monanthum, Gray
4.
5. = 169. Zauschneria Californica.
6.
7.
8.
9.
420.
1.
2.
3. Libocedrus decurrens
4.
5.
6. Trif. tridentatum, var. obtusiforme
7.
8.
9.
430. = 535. Artemisia ecapitata
1.
2. Trif. involucratum, form (Trif.)
3.
4.
5.
6.
7.
8.
9.
440.
1.
2.
3.
4.
5.
6.
7.
8.
9.
450.
1.
2.
3.
4.
5.
6.
7.

455.
9. = 312. Polygala puberula, Gray.
460. Orthocarpus Hartwegi, Btth.
1.
2.
3.
4. Pellaea wrightiana
5.
6.
7. Asthalana simulata
8. " Drabbasa
9. Gymnogramme pedata
470. Sida filiformis, Moric, var. (S. Lowii, Rottb.)
1.
2.
3. Erioq. flavum, distinct = Jamesii
4. Erysimum asperum, Dc. var.
5.
6.
7.
8.
9.
480.
1. Cheilanthes Lindheimeri
2.
3.
4.
5.
6.
7.
8.
9.
490.
1.
2.
3.
4.
5.
6.
7.
8. Clematis ligusticifolia, v. Calif.
9. Ptelea angustifolia ?
500.
1.
2.
3. Zauschneria Californica
4. Polygala puberula
5.
6.
7.
8.
9.
510.
1.
2.
3. Gymnogramme pedata
4.

515.
6.
7.
8. Linum perenne
9.
520. Gem. ciliaris nitida, Rothr. n. sp.
1.
2. "Talinum patens, Wills."
3.
4.
5.
6.
7.
8.
9.
530.
1.
2.
3. Rhus glabra
4.
5. = 430.
6.
7.
8. Talinum aurantiacum
9.
540.
1.
2.
3.
4.
5.
6.
7.
8.
9.
550.
1.
2.
3.
4.
5.
6.
7.
8.
9.
560.
1.
2. Hibiscus Grandiflorus, var. inoculatus
3.
4.
5.
6.
7. Clematis Drummondii
8.
9. Agenia pusilla, var.
570.
1.
2. Krameria parviflora
3.

574.
5.
6. Euph. pedicellifera, Engelm
7.
8.
9.
580.
1. Elaterium Wrightii
2.
3.
4.
5.
6.
7.
8.
9.
590.
1.
2.
3. Erioq. Wrightii
4.
5.
6.
7.
8.
9.
600.
1.
2.
3.
4.
5.
6.
7.
8.
9.
610. Thelypodium longifolium (= Strep. microanthus)
1.
2. Rothrockia ferruginea
3.
4.
5.
6.
7.
8.
9. Drymaria effusa, Gray.
620.
1.
2.
3.
4.
5.
6.
7.
8.
9.
630.
1.
2.
3.

634.
5.
6.
7.
8.
9.
640.
1. Geranium carolinianum
2.
3.
4.
5.
6.
7. Amorpha Schiedeana, Gray
8.
9.
650
1.
2.
3.
4.
5.
6.
7.
8. Euphb. biennis, var. hirsutissima.
9.
660.
1.
2.
3.
4. Eriog. [illegible], var.
5. Sida filiformis, Mosc.
6. Anoda hastata var. ovata, Cav.
7.
8.
9.
670. Polyg. ~~amphibium~~, v. ~~[illegible]~~
1.
2.
3.
4. Pellaea flexuosa
5.
6.
7.
8.
9.
680.
1
2.
3.
4.
5.
6.

687.
8. Polygonum ~~hydropiperoides~~
9
690.
1.
2.
3.
4.
5.
6.
7.
8. Ingenhousia ~~[illegible]~~ trilobata DC.
9.
700.
1.
2. Polyg. ~~incarnatum~~ nodosum
3.
4
5.
6. Solidago sparsiflora, n. sp.
7.
8.
9.
710. Melilotus parviflora, Desf.
1.
2.
3.
4.
5.
6. =710.
7
8
9
720
1
2
3
4
5
6. Eriog. [illegible]
7
8
9
730
1
2
3
4 Microstylis, n. sp.
5
6
7
8
9
740.
1
2
3
4
5
6
7
8
9. Goodyera Menziesii

750 Corallorhiza striata?
1
2 Spiranthes Romanzoffiana
3
4
5
6
7
8. Polyg. tenuis, v. latifolium.

Dr. E. Palmer – 1876
Arizona & S. California

Distributed by C. C. Parry

1. Aquilegia – truncata – S.L. Obispo.
2. Delphinium decorum – Cottonwood Co. Ariz.
3. " simplex – Rock Spr.
4. " cardinale – Rock Springs
5. " = 3 – Clarks Creek.
6. Ranunculus Californicus – S. Luis Obispo
7. Aconitum Fischeri – Camp Halleck
8. Platystemon Californicus
9. Eschscholtzia minutiflora – Rock Spring
10. Canbya candida – Mojave R.
11. Corydalis aurea v. occidentalis – Prescott
12. Nasturtium – [illegible] – Wadsworth
13. Nasturtium officinale – Walnut Grove
14. " Gambelii – S. Luis Obispo
15. " [illegible] – Ehrenberg
16. Vesicaria ~~Arizonica~~ [illegible] n. sp. – Juniper Mts.
17. Lepidium ~~Fremontii~~ – ~~Ehrenberg~~ Moj. R.
18. " flavum – Mojave R.
19. " ~~Fremontii~~ Wrightii – Ehrenberg & Cottonwood.
20. Sisymbrium canescens – Williams Fork
21. " reflexum – Williams Fork
22. Thelypodium integrifolium – Wadsworth
23. Arabis arenicola – Prescott
24. Streptanthus glandulosus – S. L. Obispo
25. Thelypodium Cooperi – Mojave R.
26. Tropidocarpum gracile – Clarks Cr.
27. Capsella Bursa-pastoris – Redwoods
28. Barbarea vulgaris – Pinal Mts.
29. " " Prescott
30. Cleomella obtusifolia – Mojave R.
31. Cleome lutea – Wadsworth
32. Jonidium linear – Cottonwood.
33. Oligomeris subulata – Ehrenberg
34. Polygala subspinosa – Cottonwood
35. Krameria parvifolia – Hardyville, Ariz.
36. " " Cottonwood "
37. Frankenia grandiflora – S. Simon Bay
38. Cerastium nutans – Walnut Grove
39. Stellaria media – S. Simon Bay
40. Lepigonum macrotheca – S.L. Obispo
41. Arenaria Fendleri, v. glabrescens – Moj. R. = A. macradenia
42. Silene Antirrhina – Prescott
43. " verecunda – Lone Mts.
44. Linum Breweri – Lone Mts.
45. Lewisia brachycalyx – Prescott.
46. Claytonia perfoliata – Prescott.
47. Hypericum Scouleri – Wadsworth
48. " anagalloides – Clarks Cr.
49. Malvastrum exile – Cottonwood
50. " Palmeri, n. sp. – Cambria
51. " Munroanum – Cottonwood
52. Linum monanthum – Pine Mts.
53. Erodium cicutarium – Rock Spring
54. Oxalis corniculata – Prescott
55. " Oregana – Lone Mts.
56. Geranium Richardsonii – Halleck
57. Pelea angustifolia – Prescott.
58. Pelea angustifolia – Cottonwood, Ariz.
59. Fagonia Californica – Williams Fork
60. Rhamnus crocea – Moj. R.
61. Rhus aromatica, var. – Walnut Grove
62. " " " Prescott.
63. Vicia exigua – Walnut Grove, Ariz.
64. Lathyrus pulcher, var. – Prescott.
65. Vicia americana – Wadsworth.
66. Sophora Arizonica – Cottonwood, Ariz.
67. Dalea polyadenia – Wadsworth
68. " mollis – Ehrenberg
69. " Parryi – Hardyville, Ariz.
70. Psoralea macrostachya – S. L. Obispo
71. Trifolium = 73.
72. " tridentatum, v. obtusiflorum – Lone Mts.
73. " amplectens – Lone Mts.
74. " fucciflorum – Mojave R.
75. " [illegible]
76. Hosackia fulvinula – Walnut Grove
77. " strigosa – Ehrenberg
78. " Purshiana – Mojave R.
79. " maritima – S. Simon Bay
80. " gracilis – S. Luis Obispo
81. " sericea – Mojave R.
82. " Hermanni – McGinnis
83. " grandiflora – Mojave R.
84. Lupinus concinnus – Prescott
85. " brevicaulis – Mojave R.
86. " microcarpus – "
87. " concinnus, v. Arizonicus – Walnut Grove
88. " Palmeri ? Prescott.
89. " hirsutissimus, var.? Ehrenb.?
90. " albicaulis & var. Bridgesii.
91. " Chamissonis – Spring.

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91 Lupinus densiflorus – S. L. Obispo.
92. " littoralis – Clarks Cruk
93. " sericeus – Mojave R.
94. " affinis – Cambra
95. " gracilis – S. L. Obispo
96. " = 86. – Mojave R.
97. " junceus – Moj. R.
98. " laxiflorus – Camp Halleck
99. Astragalus hypoglottis – Halleck
100. " ~~Arizonicus~~ – Walnut Grove
1. = ~~toiflorus~~ – " "
2. " = 115. Prescott.
103. " ~~triflorus~~ humistratus
4. " = 105. Rock Spring
5. " Missouriensis – Cottonwood
6. " = 105 "
7. " atratus, var. – Juniper Mts.
8. " lentiginosus, Moj. R.
9. " Coultari – Moj. R.
110. " leucophyllus – Folsom, Cal.
1. " Menziesii – S. Simeon Bay
2. " jimcus – Halleck
3. " Mortoni "
4. " Nuttallianus – Walnut Grove
5. " Shortianus – Cottonwood.
6. Cassia armata – Moj. R.
7. Prosopis juliflora – Hardyville
8. Spiraea dumosa – S. L. Obispo
9. Fallugia paradoxa – Cottonwood
120. Amelanchier alnifolia – Clarks Cr.
1. " " Prescott
2. ~~Cowania Mexicana~~ – Rock Spr.
3. Horkelia Californica – Clarks Cr.
4. Heuchera pilosissima – Clarks Cr.
5. Boykinia accidentalis – Redwoods
6. Fendlera aspricola – Cottonwood
7. Ribes cereum – Walnut Grove
8. " hesperium – S. L. Obispo
9. Lythrum alatum – v. lineariflorum – Spring
130. Epilobium paniculatum – Pine Nut.
1. Gayophytum ramosissimum – Halleck
2. Gaura coccinea – Cottonwood, Ariz.
3. Oenothera caespitosa – Walnut Grove
4. " albicaulis ? – Moj. R.
5. " gauraeflora – Hardyville
6. " dentata – Mojave R.
7. " longipes – Hardyville
8. " scapoidea – Ehrenberg.
9. " biennis – Moj. R.
140. " micrantha – Clarks Cr.
1. Godetia tenella – Mojave R.
2. " albescens, var. ? McCimmis
143. Godetia vinnea – McCimmis
4. " tenella – Clarks Cruk
5. Godetia Bottae – S. L. Obispo
5½. Boisduvalia glabella – S. L. Ob.?
6. Boisduvalia densiflora – S. L. Ob.
7. Clarkia elegans – S. L. Obispo.
8. Zauschneria Calif.ca – S. L. Obispo
9. Eulobus Californicus – ~~S. Barbara~~ Moj. R.
150. Petalonyx thurberi – Moj. R.
1. Mentzelia albicaulis ? Williams Fork
2. Mentzelia laevicaulis – Redwoods
3. Megarrhiza — ? Walnut Grove, Ariz.
4. Aralia Californica – St. Lucia Mts.
5. Eryngium petiolatum, var. ornatum. S. L. O.
6. Cornus Nuttallii – Pine Nut
7. Cynosphorus montanus, var. purpurascens. Prescott, Ar.
8. Pericidanum macrocarpum "
9. " villosum – Juniper Mts
160. Symphoricarpus mollis, Pine Nut.
1. " " S. L. O.
2. Lonicera involucrata – Cambra
3. Galium Californicum – R. Spr.
4. " Blandri – Moj. R.
5. " Aparine – Cotton. W. Cruk, Ar.
6. Valeriana sylvatica – Prescott.
7. Plectritis macrocera – "
8. Brickellia linifolia – Moj. R.
9. Baccharis coronilloides – Williams Fk
170. " Douglasii, fresh –
1. " " salt – spring
2. "
3. Carphephorus fimcus – Hardyville
4. Erigeron tenellum, or aff. Cambra
5. Diplopappus ericoides, var. – Walnut Gr.
6. Aster tortifolius – Moj. R.
6½. Erigeron sordidum, var. stenophyllum – McC.
7. " " Clarks Cr.
8. Aster falcatus, v. – Halleck
9. " laxiflorus, var.? – Wadsworth
180. " Chamissonis, var.? – Halleck
1. " elegans – "
2. " canescens – "
3. " radulinus – Pine Nut.
4. Erigeron divergens, v. cinereum? Moj. R.
5. " Philadelphicum – "
6. " divergens, cinereum – Prescott
7. " concinnum – Cottonwood
8. " glaucum – S. Simeon Bay
9. Solidago Guiradonis ?? – Wadsworth
190. " occidentalis – "
1½. " Californica – Spring Folsom.
2. Dyssodia porophylloides – Hardyville
3. Porophyllum scoparium. "
4. Dyssodia Cooperi – Moj. R.
5. Nicolletia occidentalis – "

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19 b { Lessingia Germanorum
Hemizonia ramosissima } - McGinnis
7. Bigelovia arborescens (two forms) - Redwoods.
7½. Bigelovia equamosus - Redwoods
8. " Mingieii - S. Simeon Bay
9 Aplopappus lanceifolius - Moj. R.
linearifolius - Cottonwood.
200. 1½ Lessingia Germanorum - - Clarks Creek
2. Aplopappus paniculatus - Rock Sp.
3. " enfruticosus - C. Wallack. (is it small form distinct?)
4. Chrysopsis sessiliflora, v. schroidis - McGinnis
5. Chætanthera carphochlina - Hardyville
6. " stenoides - Moj. R.
7. " lanosa - Dsp. specc. - Moj. R.
8. " Douglasii - Cerbat Mt.
9. " machrantha - Cottonwood.
9½. = 206. - agency
210. Hymenopappus luteus - "
1. Palafoxia linearifolia, rough. - Williams Fork.
2. } Corethrogyne filaginifolia - Santa Cruz
3. } - S. Simeon Bay
4. } - Redwood
5. Baeria chrysostoma - dwarf. - S. Simeon Bay.
6. " gracilis - Clarks Creek.
7. Lepidospyra Newberryi - Moj. R.
8. Perityle Emoryi - v. nuda. - Williams Fk.
9. Acamptopappus sphaerocephalus - Moj. R.
9½. } Baileya pleniradiata - Agency (Fine at Moj. R.)
220. 1. Actinolepis multicaulis - Clarks Cr.
2. Eremiastrum bellidiforme - Williams Fk.
3. Syntrichopappus Fremonti - Moj. R. with Actin. lanosa
4. Actinolepis Wallacei - Cottonwood
5. Balsamorhiza corymbosa - Pine Mt.
6. " artemisiaefolia - Cambra
7. " = 225. very spin. - Moj. R.
8. Hymenoclea salsola - Riverside
9. Trichoptilium incisum - Hardyville
230. Pachystigma annua - Williams Fk
1. Actinella odorata - Agency
2. Coleta ceanothifolia - S. Simeon Bay
3. Adriaria discoidea - S. L. Obispo
4. Redwoods
5. Hemizonia fungens - Moj. R.
6. Layophylla ramosissima - S. L. Obispo
7. Hemizonia corymbosa - Clarks Cr.
8. Madia sativa - "
9. Layia glandulosa, v. rosea. "
240. Hemizonia fungens -
1. " heterophylla - S. L. Obispo.
2. Madia elegans - McGinnis
3. Hemizonia Douglasii - S. Simeon Bay
4. Madia = 242 - Pine Mt.
5. Hemizonia virgata - Joshua Springs
5½. = 240
6. " Fitchii - Joshua.
7. " truncata. - Redwoods
8. Grindelia robusta, S. Simeon Bay
9. " " var.(?) rigida - S. Luis Obispo

250. Gymnosi - euchloides - S. Luis Obispo
1. Euchloe pinnata - Williams Fork
2. Helenium autumnale - Clarks Creek, Calif
3. Iva axillaris - Moj. R.
3½. Eremiastrum bellidiforme - Ehrenberg
4. Monoptilon bellidiforme - Moj. R.
5. Tetradymia spinosa - "
6. " canescens - S. Bernardino
7. Bigelovia Douglasii, v. ciliata - Wadsworth, Nev.
8. Bigelovia " " , angustifolia - "
9. " graveolens - "
260. " " S. Luis Obispo. (Clarks Cr.)
1. Tetradymia canescens, v. inermis - "
2. Franseria dumosa - Hardyville, Ariz.
3. Arnica discoidea - Pine Mt.
4. Senecio lugens, var. - Prescott.
5. " hydrophilus - S. Luis Obispo (Clarks Cr.)
6. Xanthium spinosum - S. Simeon Bay
7. Cirsium Californicum? "
8. " occidentalis - McGinnis
9. " Neo-Mexicanus? Rock Sp.
270. } Artemisia - dracunculoides - Springs
1. } S. Simeon Bay
2. " ludoviciana, var. Cambra
3. } Springs
4. } " " var. S. L. Ob.
4½. } "
5. " " "
6. " " "
7. } Gnaphalium Sprengelii - Cambra
8. }
9. Antennaria margaritacea - "
280. Gnaphalium ramosissimum - S. L. Ob.
1. " microcephalum - McGinnis
2. " ramosissimum - "
3. " purpureum - Cambra.
4. " palustre - Moj. R.
5. Antennaria dioica - Prescott.
6. } Gnaph. palustre - S. L. Obispo
7. }
8. Anisocoma acaulis - Moj. R.
9. Troximon aparioides - S. L. Obispo
290. Microseris Bigelovii - Cambra
1. Stephanomeria Thurberi - Moj. R.
2. Calycoseris Parryi - Cottonwood
3. Rafinesquia Neomexicana - Agency
4. Lygodesmia exigua - Hardyville, Ariz
5. Stephanomeria minor - "
6. Hieracium Scouleri - Pine Mt.
7. Stephanomeria paniculata - Redwoods
8. Lygodesmia spinosa - Hallock
9. Lactuca pulchella - Wadsworth
300. Nemacladus ramosissimus -
1. Arctostaphylos Uva-ursi - Hallock

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302. Arctostaphylos glauca – S. Bernardino
3. Arbutus Menziesii – Pine Mt.
4. Photinia arbutifolia – S. Diego
5. Armeria vulgaris, v. Calif.a – S. Simeon Bay
6. Plantago Virginica, v. maxima – Clarks Cr.
7. " major – S. Luis Obispo
8. " lanceolata – McGinnis
9. " Patagonica – Shrumberg
310. Anagallis arvensis – S. Luis Obispo
311. Pedicularis centranthera – Prescott.
2. Castilleia parviflora – Walnut Grove
3. Orthocarpus lasiorhynchus, n. sp. Moj. R.
4. " densiflorus – Clarks Cr.
5. " luteus, v. tinctus – Hallock.
6. Castilleia ramosus – "
7. " filifolius, v. cinereus.
8. Collinsia bartsiaefolia – S. L. Obispo.
9. " parviflora – Prescott.
320. Veronica peregrina – Walnut Grove
1. Antirrhinum Coultari – Moj. R.
1½. Mimulus Fremontii, var. Mt. Palmeri, n. sp. Moj. R.
2. " floribundus – Pine Mt.
4. " } filosus – Moj. R.
5. " } Wadsworth
6. " luteus – Moj. R.
7. =323 – Moj. R.
8. Pentstemon breviflorus – Springs.
9. " heterophyllus – McGinnis
330. " confertus – Hallock
1. " Palmeri – Cottonwood
2. " Eatoni – Rock Spring
3. " spectabilis – Cottonwood
4. " antirrhinoides – "
5. " ambiguus – "
6. Mohavea viscida – Shrumberg
7. Aphyllon ludovicianum – Julian
7½. " californicum – Redwoods
9. Verbena ciliata – White var. – R. Spring
9½. " sonoria – McGinnis
340. " ciliata – Shrumberg
1. " bractosa – S. L. Obispo
2. " bractata – S. L. Obispo
3. Lycopus lucidus – v. americanus – Wadsworth
4. Teucrium Cubense – Williams Fork
5. Salvia Mexicana – Moj. R.
6. Salvia coccinea – "
7. Lophanthus urticifolius, Hallock &
8. Micromeria Douglasii – Clarks Creek
9. Trichostema lanceolatum – McGinnis
350. Pogogyne Douglasii – S. L. Obispo
1. " S. Simeon Bay
2. Sphacele calycina – S. L. Obispo
3. Mentha borealis – Wadsworth
4.

355. = 353
6. Stachys Chamissonis – Clarks Cr.
7. Audibertia grandiflora – S. L. Obispo
8. " incana – Rock Spr.
9. Monardella Palmeri, Gray, n. sp. – Redwoods
360. " villosa – Clarks Cr.
1. " Pine Mt.
2. " undulata – Clarks Cr.
3. " lanceolata – Moj. R.
4. " leucocephala – "
5. Stachys pycnanthe, var. – Pine Mt.
6. " albens – McGinnis
7. " pycnanthe – Pine Mt.
8. " ajugoides – S. Luis Obispo
9. " bullata, var. Coultari – "
370. Amsinckia intermedia – S. Simeon Bay
1. Eritrichium micranthum – Agency
2. " circumscissum – Cottonwood
2½, 3½. " leiocarpum? – Shrumberg
3. Echinospermum Redowskii –
4. Lithospermum longiflorum – Willow Grove
4½. Eritrichium oxycarpum – Williams Fork
5. " Jamesii
5½. " pilosum, Gray, n. sp. – Shrumberg
6. " micrococcum – Pine Mt.
7. Coldinia Nuttallii – Moj. R.
8. Mertensia Sibirica – Hallock
9. Pectocarya setosa, Gray, n. sp. – Moj. R.
380. " penicillata – Williams Fork
1. Phacelia grisea, Gray, n. sp. – Pine Mt.
2. " circinata – McGinnis
3. " ramosissima – Cottonwood
4. " ciliata? – Shrumberg
5. " tanacetifolia – v. tenuifolia – Agency
6. " brachyloba – "
7. " Mojavensis, n. sp. (curvipes, v. stricta.) Moj. R.
7½. " corymbosa – Agency
8. Nama dimissa v. hispida – Shrumberg
9. Eriodictyon tomentosum – McGinnis
390. Emmenanthe penduliflora – Pine Mt.
1. Phlox longifolia – Cottonwood
2. Collomia grandiflora – Walnut Grove
3. Gilia inconspicua – "
4. Collomia gilioides – Pine Mt.
5. Gilia inconspicua – v. glutinosa – Cottonwood
6. " linifolia, v. phlogacoides – Moj. R.
7. " Californica, – "
8. " tenuifolia – "
9. " achilleaefolia – "
400. " Parryae "
1. " androsacea – "
2. " (tenuifolia var. latiflora, n. sp. Gray) "
3. " arborescens – Hardyville
4. " Schottii – Moj. R. + Cottonwood
5. " filifolia – "
6. " } floccosa – "
7. " } 405 "
8. " virgata or floccosa – Moj. R.
9. " hungens
9½. " atractyloides – McGinnis.
410. " squarrosa – Pine Mt.

411 Gilia multicaulis - Moj. R.
2. " luteacens
3. " densiflora - McGinnis
3½ Fraxinus pistaciæfolia? - Walnut Grove.
4. Gilia densiflora. - Clarks Creek
5. Convolvulus luteolus. - Moj. R.
6. " longipes - McGinnis
7. " Californicus - Cambra
8. Lycium = 426. - Rock Spring
9. " pallidum - Walnut Grove
420. " Cooperi, Moj. R.
1. " Andrsonii Williams Fork
2. " } gracilipes, Gr. n. sp. "
3. " "
4. " Torreyi "
5. " Berlandieri? Hardyville
6. " Andrsonii, Wightii? Ehrenberg
7. Solanum umbelliforme - Cottonwood
8. } " Xanti - McGinnis
9. } Clarks Creek
430. Physalis hederæfolia - Rock Spring
1. " ovalifolia - Ehrenberg
2. Nicotiana Bigelovii - Moj. R.
3. " ipomopsiflora? Williams Fork.
4. " attenuata - Moj. R.
5. Anisocoma ~~[illegible]~~ boreitricia, n. sp. Moj. R.
6. = 439. McGinnis
7. Adelpicia vestita. - Moj. R.
8. " eriocarpa - S. Bernardino
9. " fascicularis. - Moj. R.
440. Amblyolepis Wahensis - Hardyville
1. ~~Philipsia~~ ~~[illegible]~~ linearis - "
2. Gentiana affinis - Hallock
3. Erythræa Muhlenbergii. - ~~McGinnis~~ Moj. R.
4. " Douglasii - McGinnis
5. Chenopodium album - Wadsworth
6. Atriplex Californica - S. Simon Bay
7. Blitum Californicum - Moj. R.
8. Chenopodium leptophyllum - Moj. R.
9. Atriplex hymenelytra - Williams Fork
450. Atriplex Nuttallii - Rock Spr.
1. Grayia polygaloides - Rock Spr.
2. Kochia Americana - Wadsworth
3. Monolepis chenopodioides - Hallock
4. Atriplex pusilla - Camp Hallock
5. Chenopodium ambrosioides - Cambra
6. Mengea Californica - Jolon
7. " Californica - Wadsworth
8. Gomphrena globosa - Walnut Grove
9. Rumex maritimus - S. L. Obispo
460. Rumex pulcher & crispus - Cambra
1. " salicifolius - Jolon
2. Polygonum aviculare - Camp Hallock
3. " tenue - " "
4. Chorizanthe Palmeri, n. sp. ~~[illegible]~~ S. L. Obispo
5. " Californica - Clarks Cr.
6. " uniaristata - McGinnis
7. Pentacæna ramosissima. - Clarks Cr.
8. Chorizanthe perfoliata - Moj. R.
9. " brevicornu - "
470. " watsonii - "
1. Oxytheca perfoliata - "
1½ Verbena polystachya -
2. } Ambrosia Thurberi - Moj. R.
3. }
4. Eriogonum microthecum. - Hallock
5. " Baileyi - Wadsworth
6. " inflatum - Cottonwood
7. " Mojavense n. sp. Mojave R.
8. " = 475. "
9. " Baileyi, yellow fl. - "
480. " } angulosum "
1. " }
2. " pusillum - "
3. " Thomasii - Hardyville
4. " ~~[illegible]~~ virgineum, v. pauciflorum Moj. R.
5. " pusillum, v. megalanthum - "
6. " deflexum - Moj. R.
7. " = 477. "
8. " = 482. Rock Spr.
9. " fasciculatum. - Springs
490. " } Clarks Cr.
1. " } parviflorum - Cambra
2. " } Redwoods
3. " latifolium - S. Simon Bay
4. " gracile - Jolon
5. " = 484. Cottonwood
6. " virgatum - McGinnis
7. " = 475. "
8. " = 480 "
9. " medium - "
500. " = 486. Wadsworth
1. " = 479. Moj. R.
2. " plumatella - "
3. Oreodaphne Californica - S. L. Obispo
4. Comandra pallida - Cottonwood
5. Arceuthobium vaginatum -
6. Phoradendron Calif. - Hardyville Prescott.
7. ~~Euphorbia~~ ~~[illegible]~~ serpyllifolia - Wadsworth
8. Euphorbia ~~polygonifolia~~ polycarpa McGinnis
9. " = 513? ~~[illegible]~~ Prescott.
510 " ~~[illegible]~~ erioxyphima -
1. " ~~[illegible]~~ schizoloba - Walnut Gr.
2. " subpurpurea n. sp. = 511. Cottonwood
3. " albomarginata. - Prescott
4. " setiloba. - Rock Spr.
5. " pseudofendlerii - Williams Fk
6. " polycornifolia. - "
7. Stillingia polycnemifolia n. sp. Ehrenberg
8. Tragia nepetæfolia - Moj. R.
9. Argythamnia ~~[illegible]~~ neomexicana? Rock Spring
520. Mirabilis multiflora - Williams Fork
1. Abronia umbellata - Rock Spr.
2. Morus parvifolia - McGinnis
3. Juglans rupestris? - Prescott.
3½ Ephedra trifurca - Walnut Grove
4. " antisyphilitica, v. funiculata - Agency
5. " " var. pluribracteata - Moj. R.
5½. Sagittaria variabilis - Rock Spr.

Dr. E. Palmer – 1876.

526. Calochortus ~~Kellogg~~ – Rock Spr. – Moj. R. = C. Kennedy, Parry
527. " Palmeri – Moj. R.
8. Brodiæa grandiflora – "
9. Milla capitata, v. pauciflora – Prescott.
530. Bloomeria aurea – Moj. R.
1. Milla longipes, n. sp. – Pine Mt. = Br. lxioides
2. Allium Bigelovii – Walnut Grove
3. Cyperus inflexus – Camp Hallick
4. ~~Hordeum pratense~~ – Cottonwood.
5. Bromus brevioristatus, var.? Walnut Grove.
6. Koeleria cristata – Rock Spr.
7. Aristida purpurea – "
8. Brizopyrum spicatum, var. – S. Luis Obispo
9. Muhlenbergia debilis – Ehrenberg
540. ~~Bouteloua~~ Bouteloua australis – S. Luis Obispo
1. Festuca tenella – Williams Fork.
2. Aristida bromoides. " "
3. Bouteloua aristoides – Ehrenberg
4. Vilfa depauperata – Camp Hallick
5. Aira danthonioides – Moj. R.
6. Bromus virens? – "
7. Triodoma cuspidata – Rock Sp.
8. Sporobolus cryptandrus – Ehrenberg
9. Adiantum Capillus-Veneris – Redwoods
550. Gymnogramma Triangularis – S. L. Obispo
1. Pellæa densa – Redwoods
2. } Cheilanthes Fendleri – ~~Carbat Mt.~~ Rock Spr.
3. } – Carbat Mt.
– Prescott.
4. Woodsia scopulina – Prescott.
5. Notholæna Parryi – Hardyville
6. Gymnogramma hispida – Prescott.
7. Adiantum pedatum – Redwoods
8. Aspidium aculeatum – Pine Mt.
9. " munitum – Cambria.
560.

Localities & Dates.

Ehrenberg – on the Colorado, Arizona – Mar. 4.
Williams Fork – its junction with the Colorado – Mar. 11.
Agency – Mojave Reservation, between last 2 localities
Wickenburg, Arizona – Apr. ~~20~~.
Prescott, Arizona – Apr. 20.
Walnut Grove, Arizona – Apr. 24.
Cottonwood Cr. – Arizona, 75 m. west of Prescott – May 4.
Hardyville, Arizona – May 8.
Rock Spring, S. E. California – May 14.
Mojave River, " " – May 20 to June 8.
S. Luis Obispo, California – June 26
Clarks Creek (Holland's Ranch) – 10 m. from S. Luis Obispo & 4 from Morro Bay – July 2
M'Cinnis' Farm – Head of Salinas, 25 m. N. E. of S. L. Obispo – July 10.
Cambria, California – a mile from seabeach ~~Monterey Co.~~ July 17.
Pine Mt. – Opposite S. Simeon Bay – July 22
San Simeon Bay – July 22.
Springs (Paso Robles Sp.) – 30 m. N. of Cambria – July 24.
Jolon, California, Monterey Co. – ~~30 m. N.~~ July 31.
Redwoods, St. Lucia Mts. – Aug. 2.
Wadsworth, Nevada – Aug. 20.
Camp Hallick, Nevada – Aug. 26.

Carbat Mt. Pass – about 35 m. E. of Hardyville – May 5.
Juniper Mt. – about 30 m. W. of Prescott – Aug. 23
S. Bernardino, Calif.? – June 10.
Santa Cruz – July 24.
Lorette Mountains, near San Francisco – June.

Dr. E. Palmer — Supplementary, 1876.

A. = Colorado valley
B. = Wickenburg, Ariz. — &c.
C. = Prescott, Ariz.

560. Crossosoma Bigelovii — B.
1.
2. "Eucnidoblepia Douglasii"
3. Nasturtium palustre — A.
4. Arabis arenosa — B.
5. ~~Draba~~ Alyssum (or probably Vesicaria — C.)
6. "Biscutella Wislizeni."
7. Thysanocarpus curvipes — B
8. " same, var. elegans — B.
9. Lepidium Wrightii — A.
570. Vesicaria (angustifolia — B.) = glandulosa
1. "Thlaspi alpestre."
2. Viola Canadensis — C.
3. " cucullata — C.
4. Calyptoridium monandrum — B.
5. Fouquieria splendens — B.
6. Malvastrum rotundifolium — A
7. Sphaeralcea Emoryi — B.
8. Thamnosma montanum — B.
9. Zizyphus lycioides, var. pubescens — B.
580. Forestiera neomexicana, var. Arizonica — C.
581. Lupinus ~~[illegible]~~ Arizonicus —
2. " hirsutissimus, var.? — A.
3. Trifolium gracilentum — B.
4. " Macraei — B.
5. "Hosackia subpinnata" or "subdecumbens"
6. " rigida."
7. "Astragalus Nuttallianus."
8. Astragalus allochr[illegible] n. sp.
9. " not determined — B.
590. Calliandra (Chamaedryp[illegible]) — B.
1. Astragalus Arizonicus — B. (Oxytropis)
2. Prunus fasciculata — B.
3. Potentilla Norvegica — A.
4. Oenothera ~~strigulosa~~ — A.
5. " caespitosa — B.
6. " trichocalyx — B.
7. " Palmeri, n. sp.
8. Montolia ~~[illegible]~~ — B.
9. Bowlesia lobata — B.
600. Daucus pusillus — B.
1. Zoroaster — not named — C.
2. Stylocline microporoides — B.
3. Perityloma Organum — B.
4. "Actinolepis Lasaosa." = Stylocline microporoides
5. Layia glandulosa — B.
6. Aplopappus Coultieri — B.
7. Encelia frutescens — radiata — B. = Viguiera fluxosa, Brigham
8. Melampodium cinereum — B.
9.
610. Brickellia Coultieri — B.
611. Franseria eriocentra — B.
2. " deltoidea — B.
3. Gnaphalium Sprengelii — A.
4. Senecio multilobatus — B.
5. Malacothrix Calif.; var. glabrata — B.
6. Galium multiflorum — B.
7. Androsace septentrionalis — C.
8. Collomia gracilis — C.
9. Gilia dianthoides ? — B.
620. " dichotoma — B.
1. " aurea — B.
2. Phacelia Fremontii — B.
3. " bicolor — B.
4. " micrantha — B.
5. " crenulata — B.
6. " " B.
7. Nama hispida — A.
7½. Eritrichium (nanum, var. muricatum) B.
7. " Pterocarya, var. declinatum — B. (Hackelia)
8. " fulvum — B.
9. " " B.
630. Physalis lobata — B.
1½. Mimulus rubellus — C. ("Polypus punctatus")
2. " " A.
3. Pentstemon centranthifolius — B.
4. Orthocarpus purpurascens — B.
5. Collinsia parviflora — C.
6. "Salvia Columbariae."
7. Verbena ciliata — B.
8. Rumex [illegible] — A.
9. Erioq. Thomasii — A.
640. "Pterostegia drymarioides."
641. Chorizanthe rigida — A.
2. " corrugata — A.
3. "Pariotoria debilis"
4. "Mirabilis Californica."
5. Juniperus ~~Californica, var.~~ — B.
6. Hieracium boreale — C.
7. Poa annua — B.
8. " brevifolia — B.
9. Pellaea Wrightiana — B.

Also duplicate numbers —

147. Eriogonum divergens — B.
216. Baeria tenuissima — A.
407. Gilia floccosa ? — B.
392½. Erit. circumscissum. B.
377. Coldenia Palmeri — A.
521. Abronia villosa — A.
Antirrhinum chytroscum — A.
Sphaeralcea Emoryi, var. —
Astrag. dispermus, Gray, n. sp. B.
cyaneus
226. Actinolepis multicaulis, v. papposa —

Parry & Lemmon.

S. California, 1876.

1. Clematis pauciflora, 2in
2. " lasiantha
+3. Paeonia ~~pauciflora~~ Brownii
4. Crossosoma Bigelovii
5. Delphinium variegatum
6.} " decorum
7.}
8. Cardamine pauciseta
9. Hypidocarpum gracile
10. Arabis arenicola
11. Streptanthus flavescens ?
11½. Sisymbrium reflexum
12. Biscutella Californica
13. Thysanocarpus curvipes
14. " laciniatus
15. " pusillus
16. = 13.
+17. Isomeris arborea
+18. Dendromecon rigidum
+19. Platystigma Californicum
20. Dicentra chrysantha
1. Helianthemum scoparium
2. Viola chrysantha
+3. " pedunculata
4. Armeria Douglasii
5. Polycarpon depressum
6. Lepigonum macrotheum & medium
7. Loeflingia squarrosa
8. Adenophetia Cooperi
9. Calandrinia Menziesii
30. Montia fontana
1. Claytonia linearis
2. Calyptridium roseum
3. Malvastrum Thurberi & Munroanum
4.
5. Sphaeralcea Emoryi
6. Fremontia Californica
+7. Larrea Mexicana
8. Ceanothus montanus
+9. Acer macrophyllum
40. Zizyphus Parryi
1. Rhamnus crocea
+2. Rhus integrifolia
+3. " laurina
+4. " aromatica
+5. Schinus molle
6. Ceanothus crassifolius
7. " "
8. " "
9. " hirsutus
50. " divaricatus
51. Ceanothus cuneatus
2. " integerrimus
3. " divaricatus
4. Lupinus Chamissonis
5. " rivularis
6. " albicaulis
7.} " affinis
8.}
9. " Brewerii
60. " microcarpus
1. " Arizonicus
2. " sparsiflorus
3. " hirsutissimus
4. " concinnus
5. " douglasii
6. Trifolium gracilentum
7. " involucratum
8. " tridentatum
9. " Macraei
~~8~~
70. " microcephalum
1. " ciliatum
2. Hosackia crassifolia
+3. " glabra
4. " Purshiana
+5. " strigosa
6. " glaucophylla
7. " decumbens
8. " argophylla
9. " " var. ?
80. " grandiflora
1. " micrantha
2. " subpinnata & maritima
+3. Psoralea orbicularis
+4. " macrostachya
+5. Dalea Emoryi
6. " Californica
7. Astrag. Coulteri
8. " tricarinatus
+9. " occidentalis
90. " didymocarpus
+1. " leptinosus
2. " ~~sclerocarpus~~, var. sc.
+3. " Thompsonae
4. " Crotalarian
+5. " Parryi
6. " occidentalis
7. Amorpha Californica
8. Lathyrus vestitus
+9. Cercocarpus ledifolius
100. Potentilla Wheeleri

*101. Rubus ursinus	161.		221
2. Horkelia Californica	2.		2
3. " " var. cuneata (H. Bolandri, var.)	3.		3
4. Fragaria unguiculata	4.		4
*5. Adenostoma sparsifolium	5.		5
*6. " fasciculatum	6.		6
*7. Heteromeles arbutifolia	7.		7
*8. Prunus subcordata	8.		8
*9. Alchemilla arvensis	9.		9
*110. Boykinia occidentalis	170.		230
*1. Tellima	1.		1
*2. Saxifraga virginiensis	2.		2
*3. Heuchera pilosissima	3.		3
*4. Ribes	4.		4
*5. " sanguineum	5.		5
*6. Tillaea minima	6.		6
7. Sedum spathulifolium	7.		7
8. Cotyledon formosa	8.		8
9. " laxa	9.		9
*120. Lythrum alatum	180.		240
1. } Epilobium coloratum	1.		1
2. }	2.	Epilobium glaucum, Greene	2
*3. Eulobus Californicus	3.		3
4. Oenothera Californica	4.		4
5. " trichocalyx	5.		5
6. " biennis, var. Hilgardiana	6.		6
7. " micrantha + micrantha	7.		7
8. " biennis	8.		8
9. " decipiens, var. grandiflora	9.		9
130. " strigulosa	190.		250
1. Gayophytum racemosum	1.		1
*2. Ot. sessilis	2.		2
3. " cordiphylla	3.		3
4. Godetia epilobioides	4.		4
5. " quadrivulnera	5.		5
6. Clarkia rhomboidea	6.		6
7. Mentzelia disperma	7.		7
8. " triscripta	8.		8
*9. Eatonia glomerata micrantha?	9.		9
140. Sanicula Menziesii	200.		260
1. " bipinnatifida	1.		1
*2. " tuberosa	2.		2
~~3.~~ [" maritima —]	3.		3
3. Apiastrum angustifolium	4.		4
4. Caucalis microcarpa	5.		5
5. Daucus pusillus	6.		6
6. Osmorhiza brachypoda	7.		7
7. Cymopterus — ?	8.		8
8. Perideridia ~~angustifolia~~, ~~Mrs.~~ Th.	9.		9
9. Pseudathamanta utriculata	210.		270
150. Cornus Nuttallii	1.		1
*1. Lonicera hispidula	2.		2
2. Galium Nuttallii	3.		3
3. } " angustifolium	4.		4
4. } 4½ " " var.	5.		5
*5. Plectritis macrocera	6.		6
6.	7.		7
7.	8.		8
8.	9.		9
9.	220.		280
160.			1
			2
			3

221.
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270.
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9.
300.
1.
2.
3.
4.
5.
6.
7. " hypsodemus
8. Mimulus Palmeri, n. sp.
9. " Fremontii
310. " brevipes
1. " glutinosus
2. " rubellus
× 3. "
× 4. "
5. Castilleia parviflora
6. " foliolosa
7. Orthocarpus purpurascens
8. " lasiorhynchus
9. Cordylanthus tenuis
320. " filifolius, var.
1. Pedicularis semibarbata
2. Aphyllon uniflorum
3. " Ludovicianum
4. Boschniakia strobilacea
5. Belopsyche Californica
6. Hyptis Emoryi
7. Pycnanthemum Californicum
8. Monardella macrantha
9. " odoratissima
330. " hypoleuca, n. sp.
1. " lanceolata
2. Salvia carduacea
3. Audibertia stachyoides
4. " polystachya
5. " vaseyana
6. " carnosa, var.
7. Scutellaria angustifolia
8. " tuberosa
9. Stachys albens
340. Nicrosphenia micrantha
1. " lanatum, Benth.
2. Verbena polystachya
3. Orcodaphne Californica
× 4. "Abronia asymmetrica
5. " latifolia
6. " umbellata
7. " villosa
8. + 9. Mirabilis Californica

24

350. Atriplex.
1. Chenopodium
2. Grayia polygaloides
3. Monolepis chenopodioides
4. Hesperocnide tenella
5. "Urtica dioica"
6. Eriogonum Thurberi
7. " pusilla
8. " Thurberi
9. " gracile
360. " Wrightii
1. " saxatile, n. sp.
2. " elongatum
3. " fasciculatum
4. " gracile
5. Phacelia dryinoides
6. Oxytheca trilobata
7. Centrostegia leptoceras
8. Chorizanthe Xanti, n. sp.
9. " staticoides
370. " Parryi, n. sp.
1. 370½ " Californica
2. Lastarriaea Chilensis
3. Rumex conglomeratus
4. Phoradendron juniperinum, var
5. Simmondsia Calif.
6.
7.
8. Euphorbia
9. " petaloidea ?
380. " micromeris
1. Croton
2. Stics grandis
3. Libocedrus decurrens
4. Habenaria elegans
5. Iris longipetala
6. Lilium Humboldtii
7. "
8. Calochortus splendens
9. " lutens
390. Allium —— ?
1. Yucca Whipplei
2. Bloomeria aurea
3. Milla
4. Brodiaea capitata
5. Carex
5½. "
6. "
7. "
8. Eleocharis —?
9. Scirpus pungens
400. Gramineae.
1.
2.
3.
4.
5.
6.
7.
8.
9.
410.

411.
2.
3.
4.
5.
6.
7.
8.
9.
420.
1.
2. Stipa [illegible]
3.
4. Polypodium Californicum
5. Cheilanthes Fendleri
6. " Clevelandii
7. " Covillei
8. Notholaena Parryi
9. " candida
430. " Sinuata
1. Gymnogramme triangularis
2. Pellaea andromedaefolia
3. " ornithopus
4. Woodwardia radicans
5. Aspidium munitum
6. " aculeatum
7. Adiantum Chilense

Palmer in S. Utah & Arizona

1877

1. "Cl[illegible]" "aquatica-pic" B.V.
2. "Anemone multiplex" B.
3. "Ranunculus aquatilis"
4. " " Aquatilis St. G.
5. R. delphinifolius, L. B.V.
6. " " B. "mesanthus" = repens
7. Aquil. formosa B.
8. " canadensis, B.
9. Delph. Delcampianum St. G. ×
10. " " " ×
11. " " " ×
12. Thalictrum fendleri B.V.
13. " [illegible] B.V.
14. "Ech." St. G. ×
15. "Co[illegible]" St. G. ×
16. Arabis Holboellii "
17. Malpighia [illegible] "
18. Abutilon [illegible] ×
19. "Anemonia coronaria" B.
20. Sisymbrium brachiatum, Mutt R.C.
21. Erysimum [illegible], W. St. G.
22. " St.
23. " "
24. " "
25. " "
26. Arabis perfoliata R.C.
27. ———, W.-Hsp.
28. " "
29. " "
30. Lepidium [illegible] "
31. "Sisymb. canescens" " ×
32. " " var. fungens B.V. ×
33. Isatis tinctoria R.C. ×
34. "Physaria [illegible]" MK.
35. "Bisculella Williamsii" St. G.
36. " " MK.
37. " " × MK.
38. " " "
39. " " St. ×
40. " " St.
41. " " St.
42. ——— Arizonica, n. sp.
43. " " × 72 "
44. " "integrifolia" "
45. " " × rigida"

45. "Viola canadensis" MK.
46. " [illegible] "
47. " [illegible] MK. ×
48. " [illegible] "" ×
49. " [illegible] "
50. Anemone [illegible], var. " ×
51. Stellaria borealis, B.V.
52. " " var. [illegible], B.
53. " [illegible], B.V.
54. Cerastium [illegible] St. G. ×
55. "Cerastium [illegible]" B.
56. "Zauschneria [illegible]" St. G. ×
57. " " [illegible] ×
58. Hy[illegible] ×
59. [illegible]
60. "Sesuvium [illegible]" B.
61. Sedum [illegible] B.
62. " [illegible]
63. " [illegible]
63½. " [illegible] St. G.
64. "Mahonia [illegible]" St. G. ×
65. [illegible]
66. Linum [illegible] MK.
67. " [illegible] "
68. Geranium [illegible]
69. " " ×
70. " " ×
71. " " ×
72. Rosa [illegible] Tr. ×
73. " " " " MK. ×
74. [illegible] Hindley
75. " " "
76. [illegible] Hindley
77. Cercocarpus fendleri, B.V.
78. " " " B.
79. " " Greggii MK.
80. " " Rhus glabra St. G. + aromatica, var.
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94. [illegible] rigida var.
95. " rigida [illegible]
96. [illegible] B.
97. " [illegible] B.
98. [illegible] ×
99. " [illegible]
100. [illegible]
101-4 [illegible]
[illegible] "
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] "
[illegible] " [illegible] Tr. ×
[illegible] Humistalus [illegible] Mi ×
[illegible] Acalosus [illegible] "
[illegible] Rubidus [illegible] "
[illegible] tetrapterus, Gray, [illegible] Mi
[illegible] procerus [illegible] St
[illegible] [illegible], Gray, [illegible] "
[illegible] lanceari[illegible], Gray, [illegible] Bi
" [illegible] Ri ×
16 " Cerasus? Mi ×
17. " [illegible]eus, Gray, [illegible] Mi
18 " [illegible] B
19 " [illegible], var. Vampl.
20 " "Antral [illegible]" St. ×
21 =106.
22 " "Kitro[illegible]" Mi.
23. " " var." "
24. =106. " Mik.
25 [illegible] exigua St. ×
26 " [illegible] Ri ×
27. [illegible] mytilinus, ×
28. [illegible] Mik.
29. P[illegible] [illegible] ×
30. A[illegible] Gregg Bb.
31. [illegible] Scottianus St.
32. [illegible] ×
33. [illegible] Mi
34. [illegible] "
35 "[illegible]" St.
36. [illegible] "Discolor, var."
37. [illegible]
38. " "caespitosa" Mi
39. [illegible]
40. [illegible]
[illegible] ×
[illegible]
[illegible]
[illegible]
[illegible]

146. [illegible] Bi.
147. [illegible]
148 [illegible]
149. "[illegible]" B.
150. " [illegible] B.
151. [illegible] B.
152 [illegible] Mik ×
153. [illegible]
154. "[illegible]" B
155 " [illegible] B.
156 " [illegible] B.
157. [illegible] ×
158 [illegible] ×
159. [illegible] B.
160. " [illegible] St. ×
161 " "[illegible]" Mik. ×
162 " [illegible] St.
163 [illegible] St.
164 " [illegible] St.
165 " [illegible] Bi
165 " "[illegible]" St. ×
166. [illegible] Mi
167. " [illegible]
168 } " [illegible] Mi
169 } B
170 [illegible] Rc. ×
171 [illegible]
172 " [illegible]
173. [illegible]
174. " [illegible] St ×
175 [illegible] St
176. [illegible]
177. [illegible] Mi
178. [illegible]
179. [illegible] B
180 [illegible]
181. [illegible] Mi
182 [illegible] Rc.
183 ~~[illegible]~~ B
184 [illegible]
185 [illegible]
186 [illegible] ×
187. [illegible] St
188 [illegible]
189. [illegible] Bi
190. [illegible] Mi
191. [illegible] Rc
192 [illegible] Mi
193 [illegible] Rc
194 [illegible] St
195 [illegible] Rc
196 [illegible] ×
197 [illegible] ×

Pa[illegible] — 1877.

194.	[illegible]	B.	245.	Grypanca [illegible]	B.
195.	Sphaerophysa [illegible]	"	246.	[illegible]	B.
[illegible]	[illegible]			"	Tr.
[illegible]	[illegible]	×		[illegible]	
197.	[illegible]	"		[illegible]	×
198.	Lupinus Palmeri, n. sp.	BO	249.	[illegible] lanceolatus, Gr.	"
200.	Cl. [illegible] exsiliqua, Nutt. ×	"	250½	Syntrichopappus [illegible]	" ×
201.	Astragalus lindheimeri ×	"	251.	"Palaeocrotalaria Hooker"	
201½	" gracilis, Gray	"	[illegible]	"Leucocrotalaria Douglasii"	Nutt. ×
[illegible]	[illegible]	B.	[illegible]	"	SF. ×
203.	[illegible] nanus, Sat.	BO.	254.	" " campylotrema"	" ×
[illegible]	[illegible] — ?	Tr.	255.	" " stenotropis"	" ×
205.	[illegible] Canadensis?	B.	256.	[illegible] pinnatifida, v. integrifolia	
206.	" Vicia [illegible], v. multiracemosa	"	256½	" "	BO
[illegible]	[illegible]	B.	257.	" [illegible]	Mk.
208.	" Tephrosia lindheimeri ×	SF.	258.	" pinnatifida	Tr.
[illegible]	" [illegible] var. + A. lathamii	B.	259.	[illegible] acaulis	Tr.
[illegible]	×			[illegible] bicolor	
211.	" [illegible]	SF.	[illegible]	" Richardsonii	RC.
[illegible]	[illegible]		262.	"[illegible] hillebrandii"	RC.
[illegible]	[illegible]		[illegible]	"[illegible]"	SF.
			264.	" "glabrata"	RC.
[illegible]	Erigeron [illegible]	RC.	[illegible]	"[illegible]"	SF.
[illegible]	[illegible]		[illegible]	"	
[illegible]	" Diversus, Torr. ×	Ia.	267.	Senecio Douglasii, var.	BV.
[illegible]	" "var. viridis"	"	[illegible]	" aureus, v. crocatus	"
	"			Douglasii	RC.
				[illegible]	
	[illegible] armeriaefolius		[illegible]	Hymenopappus tenuifolius	Hy.
	[illegible]	×		" "latus"	"
	[illegible]				
	[illegible]			minutus	
[illegible]	Stylocline micrantha		[illegible]	Mohavicensis	Mk.
	"Filago californica"			[illegible]	
	"Antennaria [illegible]"	Mk.	[illegible]	Troximon [illegible]	
		Uk.	[illegible]	[illegible]	
	" " var.	Tr.	[illegible]	[illegible] v. glabrata	SF.
	[illegible]	[illegible]	277.	" Sonchoides	
[illegible]	[illegible] Sprengelii	SF.	[illegible]	[illegible]	Uk.
	palmeri, n. sp.?	B.		[illegible]	
	"	"		"	
	"	BO ×	[illegible]	[illegible] Parryi	"
	"Troximon [illegible]"	SF.	281.	[illegible] Californica	Mk.
	[illegible], Gr.	Mk.	282=283	" [illegible]	BO
286.	Malacomeris [illegible]	SF.	[illegible]	[illegible] exiguus, var.	SF.
	canescens	BO.		Bigelovii	
	frutescens	SF.	[illegible]	hygrometrica	
[illegible]	" farinosa, Gray	BO	[illegible]	[illegible] glaucus v. lactucinus	
	(Aster [illegible]) Vernonia [illegible]	SF.			
	([illegible]) [illegible]				
	[illegible]				
[illegible]	?			"	
[illegible]	[illegible]				

[illegible]

[illegible]

[illegible]

Pilmer, — (1877).

394. Tavia Columbanum SHG.
[illegible] MK
396. [illegible] B
[illegible] BL
[illegible] SHG
399. Saligenia Mexicana "
[illegible] "
401. Verrucaria [illegible] "
402. Sclerococcus diffractus "
403. "[illegible]" "
404. " [illegible] "
404½ " [illegible], n. sp. B.
[illegible] "
406. Cnemopsis [illegible], v. [illegible] SHG.
407. " " "
407½ = 406
408. Xanthoria [illegible] MK.
[illegible] B.
[illegible] "
412 " [illegible] MK
412 "
[illegible] "
[illegible] SHG.
"Lecanja polycarpoides" "
[illegible] "
[illegible] "
[illegible] "
[illegible] "
[illegible] BV
422. " hymenocephalum SHG
423. "Lecanorae Thuringiae" "
424. Lecanora [illegible] "
425 " [illegible] MK
426. " umbellarum
427 " [illegible] B
428 " Physcia [illegible], var.? "
429. " [illegible], n. sp. RC
430. " [illegible] SHG.
431. " [illegible], n. sp. RC
431½ " angulosum SHG
" [illegible], n. sp. "
435. " [illegible] "
" " gracile, var. [illegible] "
434. " [illegible] "
435. " [illegible], v. [illegible] "
[illegible] " [illegible] Hudd.
[illegible] MK
436. = 436. Hudd.
[illegible] Tr.
442. [illegible] pezizoides, n. sp. " Engelm.!
441. " [illegible] Engelm.! MK
[illegible] Hudd.

443. Eugenotia [illegible] Hudd.
444. " MK
[illegible] SHG
446. [illegible] "
[illegible] "Amenoquis [illegible]" "
[illegible] "
449 " [illegible] "
[illegible] "
[illegible] "
[illegible] Tr
[illegible] B
[illegible] cristatum, n. sp. "
[illegible] "
[illegible] "
[illegible] RC
[illegible] "
[illegible] "
[illegible] "
[illegible] "

1496. Hordeum jubatum [illegible] Mudy
1497. " Pellaea [illegible] Sto.
1498. Chile [illegible]
499. [illegible] Pe. [illegible]
500. " [illegible]
501. "[illegible] Tr.
502. [illegible] B.

Localities.

HBK = Hot Brook Park, 20 [illegible] Stillwater [illegible]
Mudy = 100 m. S. of [illegible] = [illegible]
B.D. = Beaver Dam, [illegible] m. S. of St. [illegible]
St. G. = St. George
Tr. = Trumbull, 6 m. S. of St. George
M.M. = Mountain Meadow, 38 mi. [illegible]
B. = Beaver City & [illegible], Utah
R.C. = Rattlesnake = Pennsylvania, [illegible]
B.V. = Beaver Valley, [illegible], Utah

[illegible]

Specimens named for Marcus E. Jones —
— his Utah collection — as per letter of Oct. 6/79

350. Anemone multifida
349. Aquilegia cærulea
356. Draba alpina, L.
432. Brassica vulgaris,
117. Sisymbrium inci
190. } Nasturtium obtusu
352. }
372. Silene Menziesii
203. Arenaria verna, var
363. " verna
362. Sagina Linnæi, P
439. Lupinus argente
439A. " lapiflorus,
187. " argenteus,
35. Medicago lupulina
440. " denticulata
46. Trifolium parvi
347. " involucratum
210. Astragalus campestris
231. Oxytropis Uralensis,
373. Saxifraga cæspitosa
267. Epilobium colorat
266. " glaberrim
145. Gayophytum diffu
144. Glycosmis occiden
170. Lysimachia filice
281. Galium bifolium
466. " aparine, L
78. " triflorum,
283. " trifidum,
481. Pyrola rotundifolia,
395. " chlorantha, Sw.
42. Erythræa Muhlenbergii
230. Phlox Douglasii, Hook
106. Lilia Nuttallii, Gray
406. " Watsonii, "
137. } Phacelia circinata, Jacq.
407. }
484. Heliotropium Curassavicum
483. Eritrichium leiocarpum, Watson
331. Cuscuta decora, Chois.
12. Physalis lanceolata, Mx., var. lævigata, Gray
60. Ranunculus aquatilis, var. Jaffrayanus
396. Mimulus luteus, var. alpinus, Gray

Oct. 6. 79
Grinnell, Iowa

Prof. Watson,
Dear Sir,

Your favor has arrived. I will accept your terms and send you a full set of my Utah plants for the names and corrections to the plants that I send you today.

Please correct all errors and name all the species and especially the varieties if they are not already have a name. I have taken great pains to arrange all the names in the enclosed list in their natural order and if I have erred in any respect, please

Specimens named for Marcus E. Jones — his Utah collection — as per letter of Oct. 6/79

350. Anemone multifida, Poir.
349. Aquilegia cærulea
356. Draba alpina, L.
432. Brassica vulgaris, K
117. Sisymbrium inci
195. } Nasturtium obtusu
352. }
372. Silene Menziesii
203. Arenaria verna, var
363. " verna
362. Sagina Linnæi, Pr.
439. Lupinus argente
439A. " lapiflorus, D
197. " argenteus, L
35. Medicago lupulina,
440. " denticulata
46. Trifolium pauciflo
347. " involucrat
210. Astragalus campestr
231. Oxytropis Uralensis,
373. Saxifraga cæspitos
267. Epilobium coloratu
268. " glaberrim
145. Gayophytum diffus
184. Glycosmis occidenta
170. Lipostichum filicin
281. Galium bifolium, K
466. " aparine, L.
78. " triflorum,
283. " trifidum, L
481. Pyrola rotundifolia, v
395. " chlorantha, Sw.
42. Erythræa Muhlenbergii
230. Phlox Douglasii, Hook
106. Gilia Nuttallii, Gray
405. " Watsoni, "
137. } Phacelia circinata, Jacq.
407. }
484. Heliotropium Curassavicum
483. Eritrichium leiocarpum, Watson
331. Cuscuta decora, Chois.
12. Physalis lanceolata, Mx., var. lævigata, Gray
60. Pentstemon aquosus, var. Jaffrayanus
395. Mimulus luteus, var. alpinus, Gray

mention it.

Please return the enclosed list and the plants (for which I enclose sufficient postage) and I will send you a full set with printed labels full specimens in all cases where it is possible as soon as I can get the labels printed and the plants put up.

I would also be very much obliged if you will give me the name of the Townsend Pentstemon & two Bigelovias that I sent you last year. You promised to send the names to some of them in a few days but another season has passed and they are not here.

Hoping to hear from you soon I am Very Truly

Marcus E. Jones

Specimens named for Marcus E. Jones — his Utah collection — as per letter of Oct. 6/79

350. Anemone multifida, DC.
349. Aquilegia cærulea, James
356. Draba alpina, L.
432. Brassica vulgaris, R.Br., var. stricta
117. Sisymbrium incisum, Eng., var. Harbrigianum
190. } Nasturtium obtusum, Nutt.
352. }
372. Silene Menziesii
203. Arenaria verna, var. hirta
363. " verna
362. Sagina Linnæi, Presl
439. Lupinus argenteus, var. decumbens
439A. " lapiflorus, Dougl.
187. " argenteus, Pursh
35. Medicago lupulina, Linn.
440. " denticulata
46. Trifolium pauciflorum, Nutt.
347. " involucratum, Willd.
210. Astragalus campestris — reduced form, small-leaved
231. Oxytropis Utahensis, n. sp.
373. Saxifraga cæspitosa, L.
267. Epilobium coloratum, Muhl
268. " glaberrimum, Barby, apparently var. latifolium
145. Gayophytum diffusum, Torr.
144. Glycosmis occidentalis, Nutt.
170. Lipostemon filicinum, Watson
281. Galium bifolium, Watson
466. " aparine, L.
78. " triflorum, Mx
283. " trifidum, L.
441. Pyrola rotundifolia, var. incarnata, Hook.
395. " chlorantha, Sw.
42. Erythræa Nuttallii
230. Phlox Douglasii, Hook
106. Gilia Nuttallii, Gray
408. " Watsonii, "
137. } Phacelia circinata, Jacq.
407. }
444. Heliotropium Curassavicum
443. Eritrichium leiocarpum, Watson
331. Cuscuta decora, Chois.
12. Physalis lanceolata, Mx., var. lævigata, Gray
60. Pentstemon azureus, var. Jaffrayanus
390. Mimulus luteus, var. alpinus, Gray

164. Mimulus moschatus
65. Veronica Anagallis
139. Castilleia minuta, Gray
401. " pallida
400. " " var. septentrionalis, Gray
152. Lophanthus urticaefolius, Htt
337. Aronia fragrans, Nutt.
143. Eriogonum heracleoides, Nutt.
336. " Thomasii, Torr.
140. " chrysocephalum, Gray
327. " brevicaule, Nutt.
327A. " " a form
183. Rumex crispus, L.
183A. " occidentalis, Watson
221. Polygonum minimum, "
65. " nodosum
67. " Persicaria
100. " tenue, Mx
495. " Hydropiper
299A. Amaranthus blitoides, Watson
329. Suaeda depressa, Lidb. — probably
17. " " var. erecta, Watson
60. " intermedia, Watson ?
176. Chenopodium leptophyllum, Nutt., var. oblongifolium, Watson
490. " rubrum, L.
49. " glaucum
320. Atriplex patula, var. subspicata, Wats.
491. " "
91. " Nuttallii, Watson
306. " truncata, Gray
492. Kochia Americana, Watson
493. Spirostachys occidentalis, Watson
493A. Salicornia herbacea
27. Chenopodium Botrys, L.
502. Habenaria hyperborea
97. Jamesia Drummondii
503A. " sphioides, var.
199. " longistylis, Torr.
94. " Mertensianus, Bong.
94A. " " the same probably?
504. Scirpus pungens, Vahl
16. " maritimus, L
506. Carex obtusata, Lilj
252. " Hoodii, Boott
215. " Douglasii, Schw.
95. " festiva, Dew.
95. " Kellogii, Boott
257. " aquatilis, Wahl., var.
292. " alpina, L
247. " atrata, L. var. erecta

36

263. Carex atrata, L., var. nigra, Boott.
259 A. — " Zoo young.
273. A. " vitilis, Fries
415. " Hoodii, Boott
505. " lagopina, Wahl., var. pleiostachya
302. " frigida, All.
285. } " vulgaris, var. alpina, Boott. (C. rigida, Good)
287. }

A. " Jamesii, Torr.
417. " Raynoldsii, Dew.
416. " Schreberi, Willd.?
416 bis " Liddonii, Boott.
98. A. " Kelloggii, W. Boott.

Plants received from Prof. J. Macoun – Feby 1880.

collected between 51° & 52° N. Lat. and 97° & 115° Long.

1. Erigeron pumilum – tab
2. " caespitosum ?
3. " flabellum, β
4. " grandiflorum

J5. Aster multiflorus, var. stricticulus
–6. Aster puniceus, var. viminens
J7. " simplex

–8. Aster canescens
J9. " aestivus
–10. Aster carineus
–11. Aster puniceus
J12. " novae Belgii
J13. " montanus
J14. Aplopappus Suttonii
J15. Aplopappus lanceolatus
J16. Actinella Richardsonii
–17. Arnica latifolia
J18. Senecio integerrimus ?, + Arnica foliosa
–19. Arnica angustifolia
20.
–1. Antennaria dioica
J2. " arctica
J3. " discolor
J4.} " longifolia
J5.}
–6. Artemisia ludoviciana
J7. " Canadensis
–8. Artemisia biennis
J9. Hieracium Canadense
J30. Helianthus pumilus ?
J1. Helianthus rigidus
J2. " petiolaris
–3. Helenium autumnale
–4. Gnaphalium palustre
J5. Crepis elegans
J6. " runcinata
J7. Crepis glauca
J8. Coreopsis tinctoria
J9. Cirsium Hookerianum ?
J40. " Drummondii
J1. Xanthium strumarium, var.
J2. Madia glomerata
–3. Troximon glaucum
J4. " " var. traxicifolium
–5. Troximon glaucum
–6. Taraxacum palustre, DC
J7. Troximon cuspidatum
J8. Senecio aureus, var. Balsamita
J9. Senecio canus
J50. " integerrimus ?

–51. Senecio lugens, var. Hookeri
J2. " canus, var. minor, Hook.
–3. Senecio lugens
–4. Aplopappus acaulis – probably
–5.}
–6.} Erigeron compositum.
–7. Erigeron Canadense
–8. Erigeron compositum
J9. Solidago gigantea, var.
60.
–1. Solidago virga-aurea, var. multiradiata
–2. Solidago nemoralis
J3. " Missouriensis, var. montana, Gray
J4. " virga aurea, var. humilis
–5. Solidago nemoralis
–6. Solidago – too poor
–7. Solidago nemoralis
J8. Clematis ligusticifolia
J9. Anemone parviflora
–70. Ranunculus affinis
–1. " " var.
J2. Astragalus trachycarpus
–3. " palustre
J4. Arabis Holboellii, form ?
J5. " Holboellii
–6. " Drummondii
–7. Arabis perfoliata
–8. Erysimum asperum
–9. Sisymbrium incisum
J80. Sisymbrium incisum, v. Hookeri
J1. " canescens
–2. Erysimum parviflorum, Nutt.
J3. Draba alpina, var.
J4. " alpina, var. glacialis
J5. " aurea + incana
J6. " alpina, var. stellata, var. Jeanneis
J7. " alpina
J8. Vesicaria ludoviciana
J9. Physaria didymocarpa
J90. Cleome integrifolia
J1. Potentilla gracilens
J2. Stellaria crassifolia
J3. " borealis
J4. Sagina decumbens
J5. Arenaria serpyl.
–6. Silene Menziesii
J7. Lychnis apetala
–8. " Drummondii
J9. Cerastium alpinum, v. Behringianum
J100. Linum rigidum

38

101. Acer glabrum
2. Oxalis corniculata
3. Amorpha microphylla, Pett.
4. Lupinus Kingii
5. Hedysarum Mackenzii
6. Oxytropis campestris, var. viscida
7. " ~~lambertii~~ campestris
8. " lambertii
9. " splendens
110. Psoralea lanceolata
1. Astragalus frigidus
2. " bisulcatus
3. " Drummondii
4. Oxytropis podocarpa ??
5. Astrag. aboriginum
6. " flexuosus
7. " Missouriensis
8. " pauciflorus
9. " flexuosus
120. Agrimonia Eupatoria
1. Spiraea betulaefolia
2. Crataegus coccinea
3. Potentilla Plattensis
4. " nivea
5. " gracilis, slender form
6. " gracilis
7. " " var. rigida
8. " Hippiana
9. " Pennsylvanica, var. strigosa
130. " rivalis, var
1. " supina
2. Saxifraga caespitosa
3. " aizoides
4. " oppositifolia
5. Hydrosace Chamaejasme
6. Parnassia palustris
7.
8. Epilobium coloratum
9. " molle, var., Barby
140. " latifolium
1. " coloratum
2. " tetragonum
3. Oenothera biennis
4. " breviflora
5. Cicuta virosa
6. Sium lineare
7. Peucedanum macrocarpum
8. Musineon divaricatum
9. Cornus stolonifera
150. Lonicera parviflora
1. Arctostaphylos alpina
2. Plantago major, var. Asiatica
3. Plantago Patagonica, var.

154. Plantago Patagonica, var. cristata
5. Primula farinosa
6. Androsace septentrionalis
7. Dodecatheon Meadia, var.
8. Centunculus minimus
9. Pentstemon acuminatus
160. Castilleia pallida, var.
1. " miniata
2. Euphrasia officinalis
3. Verbena bracteosa
4. Echinospermum floribundum
5. " leiocarpum
6. Eritrichium Californicum
7. Heliotropium Curassavicum
8. Paronychia sessiliflora
9. Gilia inter texta
170. Gentiana Amarella, var. acuta
1. " " var. stricta
2. " humilis
3. Calyptrea sepium, var. supens
4. Apocynum cannabinum
5. Asclepias speciosa
6. " ovalifolia
7. Oxybaphus hirsutus
8. } Chenopodium album
9. }
180. Chenopodium leptophyllum var. glaucum
1. Chenopodium rubrum
2. Chenopodium rubrum, var. (?) humile
3. Blitum glaucum
4. Euxolia lanata
5. Atriplex argentea
6. Atriplex Dudleyi
7. Atriplex patula
8. Polygonum ramosissimum ?
9. Polygonum lapathifolium
190. " imbricatum, Pett
1. Eriogonum androsaceum
2. Rumex venosus, Pursh
3. " occidentalis
4. Rumex salicifolius ~~occidentalis, H~~
5. Shepherdia argentea
6. Euphorbia glyptosperma
7. Callitriche verna
8. " " var. form
(9.) 1584. Urtica gracilis
200. Urtica gracilis
1. Alnus incana, var
2. Betula glandulosa, Mx
3. " occidentalis, Hook
4. Populus monilifera
5. Sparganium simplex
6. Typha latifolia
7. Alisma Plantago, var.
8. Sagittaria variabilis var. gracilis

-209. Triglochin maritimum
✓210. " palustre
✓1. Habenaria fœtida ?
✓2. Spiranthes Romanzoviana
✓3. Cypripedium parviflorum
✓4. Sisyrinchium mucronatum
✓5. Stenanthium occidentale
✓6. Tofieldia glutinosa
✓7. Prozartes tracheocarpa
✓8. Allium reticulatum
- 9. Allium cernuum, Roth.
✓20. " — ? Too young

Lower ondig – Mar. 1, 80

1. Potentilla Hippiana, var pulcherrima
2. Solidago humilis
3. Microsciris lacinata
4. Troximon Chilense
5, 6. Epil. minutum
7. " nuttallii
8. Draba alpina
9. Erythronium albidum
10. "Aster sericeus"
11. Collomia gracilis
12. Eriogonum concinnum, var. ophanactis
13. Phlox longifolia
14. Grayia polygaloides
15. Tetradymia spinosa
16. C. ivia inconspicua
17. Eriastrum circumscissum ?
18. Microsperma Californicum
19 = 16.
20. Phacelia linearis
21. Lappula floribunda
22. Lithia achilleifolia
23. Artemisia spinescens

W. C. Cusick – Sets of 1888.
Union Co., Oregon

35. Ranunculus glaberrimus (5)
40. Allium macrum (6)
41. Mertensia oblongifolia (4)
45. Lupinus aricens (6)
52. Delphinium decorum (6)
67. Ribes cereum (6).
84. Balsamorhiza sagittata (6)
122. Spiraea betulaefolia (4)
145. Pachystima myrsinites (6)
174. Phlox Douglasii, var. (6)
180. Chiranthus Menziesii (6)
182. Balsamorhiza Hookeri (6)
204. Rosa Nutkana (6)
253. Aquilegia flavescens (4)
255. Gilia Nuttallii (4)
451. Antennaria carpatica (6)
464. Epilobium origanifolium (4)
474. Helianthus Nuttallii (6)
514. Pedicularis racemosa (6)
523. Lidum glandulosum (5)
644. Pentstemon confertus ? (4)
683. Aster Cusickii (6)
703. Phacelia aurica (4)
727. Arabis Cusickii (6)
728. Platyspermum scapigerum (4)
729. Viola canina, var. (4)
730. Aplopappus lanuginosus (6)
731. Antennaria dimorpha (6)
733. Viola Nuttallii (4)
734. Saxifraga integrifolia (4)
735. Collomia linella (4)
736. Gilia micromeria, (6)
737. " mediantha (6)
738. Cryptantha tomentosa, (6)
741. Antennaria alpina, var. (4)
744. Cordylanthus hirsutus, var. (6)
745. Gilia pinnatifida, var. (6)
747. Senecio exaltatus, (5)
748. Draba nemorosa (6)
749. Sisymbrium linifolium (6)
750. Erigeron Bloomeri (5)
752. Poa tenuifolia (4)
753. Festuca occidentalis (4)
754. Erigeron filifolium (6)
756. Ivesia gordoniana (6)
759. Lepidium dictyotum (6)
761. Festuca ovina (4)
763. Triticum repens (6)
765. Vilfa cuspidata (5)
768. Spartina gracilis (6)
769. Bouteloua oligostachya (4)
770 = 754 (6)
771. Chorizanthe Watsonii (6)
774. Elymus Sitanion, (5)
776. Collomia tinctoria (6)
781. Elymus condensatus (6)
783. Catabrosa aquatica (4)
786. Scirpus sylvaticus, (6)
788. Elymus Sibiricus (4)
789. Carex vesicaria (4)
792. Juncus Nevadensis (4)
793. Carex filiformis, var. (3)
795. Erythrea Douglasii (4)
796. Juncus xiphioides, (4)
797. Agrostis varians ? (4)
799. Senecio hydrophilus (4)
801. Carex athrostachya (4)
804. Agrostis exarata (4)
807. Ranunculus multifidus (4)
812. Sarcobatus vermiculatus (4)
814. Calamagrostis Langdorfii (4)
815. Danthonia aurica (6)
819. Cryptogramma acrostichoides (2).
834. Phacelia integrifolia (6)
836. Aster Douglasii (4)
836. Vasey a conata (3)
840. Castilleia pallida (6)
841. Carex aristata (4)
842 (bis). Oenothera alyssoides (4)
843. Malvastrum Munroanum (6)
844. Galium Bloomeri (6)
845. Populus balsamifera (6)
850. Arenaria Fendleri (6)
852. Blepharipappus Organensis (6)
853. Phyllodoce Organensis (6) n. sp.
856. Mertensia Sibirica, (6)
860. Linum micranthum (6)
862. Astragalus collinus (6)
863. Balsamorhiza integrifolia (4)
864. Zauschneria florindae (4)
865. Pentstemon Cusickii (6)
866. " triphyllus (4)
867. Asclepias cryptoceras (6)
868. Pentstemon glandulosus (6)
870. Rhamnus Purshiana (4)
872. Symphoricarpos parviflorus (4)
874. Lonicera borealis (6)
875. Salix cordata, var. (6)
876. Melica Geyeri (4)

877. Angelica comosa (6)
879. Trisetum cernum (4)
880. Trifolium caninum (4)
884. Mimulus moschatus (4)
888. Lathyrus polymorphus (4)
889. Carex filifolia (4)
891. Atriplex Nuttallii (4)
894. Phacelia circinata (4)
897. Lophanthus nepetifolius (4)
898. Stipa occidentalis (4)
899. Spiraea discolor (6)
900. Melica bulbosa (4)
901. Viola canina, var. (6)
902. Pellaea Breweri (5)
904. Hieracium triste, var. (6)
905. Aster alpigenus (6)
906. Ivesia Eisenii (4)
907. Stylocline filaginea (4)
908. Salix lividi, var. (6)
910 = 438.

Set I.	117 spec.		
II.			
III.	116 "		
IV.	114 "		
V.	64 "	A. Commons	4.00
VI.	57 "	G. Vasey	4.00

F. L. Harvey — Fayetteville, Ark.
Coll. 7 1880
Det. Sept. 1881.

1. Eupatorium rotundifolium
2. Vernonia angustifolia
3. " Baldwinii
4. Eup. purpureum
5. Aster oblongifolius
6. " undulatus
7. Polymnia — ? n. sp. ?
8. Elephantopus nudatus
9. Vernonia altissima
10. Aster pedunculatus
11. Vernonia angustifolia, v. texana
12. Liatris spicata
13. Eup. urticaefolius
14. Liatris squarrosa
15. Solidago bicolor
16. " — ?
17. Triptorium Douglasii ?
18. Solidago — ?
19. " rigida
20. " serotina
21. " caesia
22. " sparsiflorus ?
23. Aster ericoides ?
24. " vimen, var.
25. " — ?
26. " oblongifolius — narrow leaved
27. " aromatus, Eaton.
28. " tradescanti
29. " — ?
30. " tradescanti, v. gracilis
31. Chrysopsis gossypina
32. Polypremum procumbens
33. Cynoscirrhium digitatum, DC
34. Nasturtium lacustre — aff. palustre
35. Gerardia quercifolia
36. Styrax pubescens
37. Dianthera [illegible], Eaton.
38. Pentstemon pubescens.
39. Asclepias feensis
40. Talinum teretifolium
41. Echinacea purpurea
42. Liatris squarrosa — form
43. Heterotheca Lamarckii
44. Eupatorium coelestinum
45. Senecio aureus
46. Helenium autumnale
47. Bellis integrifolia
48. — ?
49. Schollera graminifolia
50. Ranunc. abortivus
51. " oblongifolius
52. Macrosanum Canadensis
53. Hypericum prolificum
54. " maculatum
55. " Drummondii
56. " mutiflorum
57. Elodes petiolata
58. Lecina tenuifolia
59. " major
60. Hypericum mutilum
61. Baptisia leucantha
62. Seymeria macrophylla
63. Aster ptarmicoides
64. Mollugo verticillata
65. Sagina decumbens
66. Arenaria Pitcheri
67. Linum Virginianum, v. Texanum
68. Polygala sanguinea
69. Apios tuberosa
70. Phaseolus helvolus
71. Lespedeza capitata
72. Centrosema Virginianum
73. Clitoria Mariana
74. Desmodium nudiflorum
75. Phaseolus diversifolius
76. Cassia occidentalis
77. Jussiaea decurrens
78. Panthorum sedoides
79. } Panthum fruticosum
80. }
81. — ??
82. Steironema ciliatum
83. Oldenlandia Boscii
84. Lythrum alatum
85. Diodia Virginica
86. Galium circaezans
87. " pilosum ?
88. " tripidum
89. Houstonia patens
90. Spiraea Ariunus
91. Rosa setigera
92. Robinia hispida
93. " pubescens

94. Lobelia syphilitica, v. Ludoviciana
95. " leptostachys
96. Vaccinium Pennsylvanicum?
97. " stamineum
98. " arboreum
99. Plantago Virginica
100. " Rugelii
101. Polygala verticillata
102. Gerardia heterophylla
103. Verbena bracteosa
104. Dicliptera brachiata
105. Lippia nodiflora
106. " lanceolata
107. Salvia lyrata
108. Calamintha clinopodium
109. Scutellaria canescens
110. Monarda punctata, v.
110. Isanthus coeruleus
112. Scutellaria versicolor
113. Teucrium Canadense
114. Scutellaria cordifolia
115. Pycnanthemum albescens
116. Physostegia Virginica
117. Lycopus Virginicus
118. Dasystemodium laevigatum, v. molle
119. Convolvulus sepium, v. Americanus
120. Ipomoea pandurata
121. Phlox divaricata
122. " pilosa
123. " paniculata
124. Physalis lanceolata
125. Gentiana saponaria
126. Physalis aequata
127. Sabbatia angularis
128. Asclepias longifolia
129. Podostigma (?) apodum — a. sp. ?
130. Asclepias purpurascens
131. Oxybaphus albidus
132. Polygonum ramosissimum
133. Xyris tenera
134. Tradescantia Virginica

J. & T. J. Howell – Union Co., Oregon

Panicles of Sept. & Oct. 1880

Named Sept. 1881

260. Aronaria congesta, Nutt., v. subcongesta, N.
280. Allium Nevii, Watson – low form
282. " pleianthum, Watson
284. Peiloscyphus tenellus, Nutt.
285. Aplopappus uniflorus
286. Antennaria plantaginifolia, Gray
287. Lagophylla ramosissima, Nutt.
288. Lagophylla diffusa, Torr.
289. " racemosa, Torr.
290. Gilia pacifica
291. Claytonia tuberosa, Watson
292. Calandrinia Menziesii, Gray
294. Hackelia fusca, Lindl.
295. Eritrichium Californicum, DC.
296. Lomatium coniugialis, Coult.
297. Mimulus rubellus, Gray
298. " primuloides, Benth.
299. Castilleia parviflora, Bong.
300. Euphorbia lepterema, Engelm.
301. Calochortus Tolmiei, Hook.
302. Habenaria gracilis, Watson
303. Orchis ~~[illegible]~~
304. Camassia esculenta ?
305, 306. Veratrum Californicum, Nutt.
307. Thalictrum occidentale, ~~Nutt~~ Gray
308. Dicentra Cucullaria, DC.
309. Arabis platysperma, Gray
310. Viola Canadensis, Torr.
311. Silene Oregana, Watson
312. Sphaeralcea rivularis, Torr.
313. Stellaria crispa, v. pubescens
314. Lupinus Lyallii, Gray
315. " aridus, Torr.
316. " " v. Lobbii, Watson
317. Mitella stauropetala, Gray
318. Spiraea betulifolia, Pall.
319. Saxifraga ahellaris, L.
320. " Tolmiei, Torr.
321. Sedum Douglasii, Hk., v. uniflorum
322. Cotyledon Oregonum, Watson. n. sp.
323. Spiraea pectinata, Torr.
324. Epilobium paniculatum, Nutt.
325. " origanifolium, Lam. ?
326. Godetia epilobioides, Watson
327. Pentstemon triternatum ?
328. Symphoricarpus racemosus, Mx.
329. Aster
330. Vaccinium occidentale, Gray
331. " Myrtillus, v. macrophyllum, Hk.
332. Pyrola picta, Sm., v. dentata, Gray
333. Monotropa Hypopitys, L.
334. Phacelia procera, Gray
335. Echinospermum lappulum, Gr.
336, 337. Eritrichium Scouleri, DC.
337. " barbigerum, Gray
338. " tenellum, Gray
339. Pectocarya pinnatifida, Hoff.
341. Phlox Douglasii, v. diffusa
342. Polemonium caeruleum
343. " " var.
344. Pentstemon Cardwellii, Hk.
345. " procerus, Dougl.
346. Cordylanthus capitatus
347. = 296.
348. Pedicularis bracteosa, Benth.
349. " racemosa, Dougl.
350. Eriogonum umbellatum
351. Polygonum ramosissimum
352. Lithospermum Canescens, Lehm.
353. Habenaria elegans, Bot.
354. Aira caespitosa, L.
355. " Danthonioides, Trin.
356. Calamagrostis ?
357. Poa arctica, R. Br. ?
358. Trisetum [illegible], Trin.
359. Poa alsomattea, Trin.
360. " pratensis ?
361, 362. Glyceria aquatica, Sm.
363. Danthonia Californica, Bol.
364. Triticum repens, L.
365. Atropis tenuifolia, Thurb.
366. Anastrophus stoloniferus, Nutt.
367. Mondlepis chamajrioides

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1. Aster ledophyllus, Gr.
2. " — ?
3. " — ?
4. " radulinus, Gr.
5. " integrifolius, Nutt.
6. Sericocarpus rigidus, Lindl.
7. Erigeron — n. sp.
8. Aster alpigenus, Gr.
9. Erigeron acris var. angustifolius,
10. " innovatus, Gray
11. Solidago elongata, Nutt.
12. Senecio amplificatus, Nutt.
13. Brickellia oblongifolia, Nt.
14. Aplopappus — n. sp.!
near A. carthamoides

15. Balsamorhiza Hookeri, Nutt.
16. Grindelia humilis, H. & A.
17. " nana, Nutt.
18. Aplopappus Hallii, Gray
19. " Bloomeri, Gray
20. Bigelovia graveolens, Gr.
21. Gnaphalium microcephalum, Nutt.
22. Senecio vulgaris, L.
23, 24. " triangularis, H.
25. Artemisia alpina, Gaudn.
26. Sanguisorba Americana, D.C. & E. mss.
27. Cirsium undulatum, Gray
28. " carlinoides, v. Americanum, Gr.
29. Wyethia grandiflora, Gray
30. " glabra, Nutt
31. Microseris nutans, Gray
32. Lactuca Canadensis, L.

W. C. Cusick — Oct. 1881.

38. Astragalus Bourgovii, Gray
52. Delphinium Menziesii, DC.
53. " — ? a dubious thing.
54. Brodiaea Douglasii, Watson
70. Erythronium grandiflorum, Pa., v. minus, Mor.
78. Pentstemon confertus, Dougl.
93. Athocarpus tenuifolius, Rtb.
111. Trifolium pauciflorum, Nutt.
118. Echinospermum floribundum
178. Viola Beckwithii, Torr.
181. " [illegible], var. venosa
193. Lathyrus Cusickii, n. sp.
222. Arenaria aculeata, Watson
232. Pentstemon attenuatus, Lindl.
265. Spiraea betulefolia
384. Viola sarmentosa, Dougl.
398. Stellaria jamesii, Torr.
487. Delphinium ecospurum, Gray.
505. Grindelia nana, Nutt.
626. Senecio canus, Hook., var.
846. Sedum divaricatum, Watson, n. sp.
849. Cusickia Oregonensis, Gray — n. gen.
853. Physaria Oregana, Watson
855. Echinospermum diffusum, Lehm., v. lasiocarpum, Gr.
861. Celtis reticulata, Torr. ?
915. Nemophila Menziesii, H+A.
916. Glossopetalon spinescens, Gr.
917. Arabis arcuata, Nutt
918. " — ?
919. " — ?
921. Thelypodium sagittatum, Endl.
924. Eriogonum microthecum, Nutt.
925. Potamogeton natans, L.
926. Lilia flavescens, Gray
928. Cyperus inflatus, Kotth.
929. Lupinus calcaratus, Kell
927. Rhus glabra, L.
930. Eriogonum Douglasii, Rtb.
931. Allium pleianthum, W.
934. Eriogonum Nevadense, Gray
933. Eriogonum ovalifolium, Nutt., var.
934. Carex aurea, Nutt.
935. Phlox Douglasii
936. Eriogonum ephedroides, Dougl., var.
937. Nitrophila occidentalis, Watson
938. Senecio canus, L., v. lanatus
939. Gaura parviflora, Nutt
940. Eritrichium circumscissum, Torr.
941. Crepis runcinata, Tolr.
942. Allium — ?
943. Trifolium longipes, Nutt.
944. Lupula — n. sp. ?
945 = 936.
946. Astragalus Cusickii, Watson n. sp.
949. Arabis lyallii, Watson
950 = 942
954
955. Cardamine cordifolia, Gray
951. Aplopappus hirtus, Gray n. sp.
956. Aster — ?
957. Arnica angustifolia, Nutt.
958. Aplopappus lyallii, Gray
959 = 928.
960. Sanicula Nevadensis, Watson
961. Stellaria umbellata, Turcz.
962. Poa andina, Nutt
963. Claytonia trifoliata, W.
964. Calandrinia fragrantia, Gr.
965. Rhamnus ilicifolius, L'Her.
966. Potentilla palustris, Cosp.
967. Dulichium spathaceum, Rich.
968.
969. Arenaria arctica, Rar.
970. Silene Spaldingii, Watson
971. Aplopappus nanus
972. Gentiana affinis, Griseb.
Cerastium arvense, L.
973.
974. Calamagrostis stricta, Trin
975. Brickellia grandiflora, Nutt.
976. Trautvetteria grandis, Nutt.
977. Poa — ?
978. Pentstemon deustus, Dougl.
979. Chrysopsis villosa, Nutt., var.
980. Gilia congesta, Hook.
981.
982.
983. Rumex venosus, Pa.
984. " paucifolius, Nutt.
985. Allium — ?
986. Carex Geyeri, Boott
987 " Pennsylvanica, Lam.
988. Claytonia megarhiza, Parry.
989. Vaccinium myrtilloides, Hook
990. Aster Blomeri, Gray
(a) Poa — ?

Received

1876

July 10 — Box from Kew, containing for A. Gray,

1 Brand Co — Dupl. Dr. Aitchison's coll.

1 " Burchell's Restiaceæ

1 " Dr. Schweinfurth's Trop. Afr. Gram., named by [illegible]

1 " Miscellaneous Dupl.

3 " Set III. Whitman's Cameroon Ferns, &c.

[illegible] Series [illegible] Fasc. I.

[illegible] Hooker, Fl. Indica, vol. VII.

Hooker, [illegible] in Bot. of Himalayan Land

" Himalayan Journals, Vol. I. II.

" [illegible] Bot. Illustr., [illegible]

Kurz, [illegible] Flora of Brit. Burma

[illegible], I. pt.

[illegible] Manual of Botany

———— " ————

For Dr. [illegible] — delivered.

[illegible]

[illegible] Wilson.

[illegible]

[illegible]

For [illegible] — forwarded.

[illegible] Vol. I. & II.

[illegible] — forwarded [illegible]

[illegible] — delivered.

[illegible] —

[illegible] as per [illegible] — recd

Received ~ Sept. 1878.

Box from Dr. Palmer ~ Mexico ~ containing

3 packages dried [plants] sent to Dr. Parry, Davenport, Dec. 1878.

1 Agave ~ to Palmer

1 Dasylirion tip

1 "Agave Engelmanni"

1 package seeds ~ Sophora etc, ~ to Prof. Sargent

1 "Interior of a Cycadeoid" ~ to Prof. Goodale's room

pine specimens

[illegible]	3149	= [illegible]	5.00 } Taken by Pumpin[illegible] Price .5
[illegible] 11	4544		35.00 } 0 yards for July 30.
" " 12.	43[illegible]		25.00 – To Co[illegible] June 1879 po for [illegible]
" 14.	3[illegible]		5[illegible]
" 15.	255		15[illegible]
[illegible] 13.	433		30[illegible]

[illegible] ordered –
1 out to [illegible] July 29/79

[illegible] (to [illegible]
to 6. To [illegible], Washington. Aug. 9/76 $7.50

Palmer's Trans-Mississippi [illegible], 1879.
[illegible] for Palmer
Mississippi

Davenport Dec 6th 1877

All ready to start to morrow. I have arranged to ship to Dr Gray, the ballance of Palmer sets viz set 6. s Utah. Sets 11-12-14 Arizona. all marked on outside with No & price Charge freight to Palmer.

Thanks for Lilium description; please change figure of size from 3-6 ft to 2-5 ft. (means the stalk) have a very nice figure of bulb, & proofs will be sent to you

C. C. Parry

1878 Sept. Sent in one package to Smith's Institute by Express + notified Dr. Sylvester by P.C. — January 4th 1878. —

In same package to Smith's from Dr. Gray 1 bottle for DeCandolle, Geneva

January 7th By Express
P. V. Kelly, Herb. Col., Col., N.M.C. "Paid through", a.e.
Populus, Argyrothamnia, + oth. from A. Gray, — returned,
Dr. G. Vasey — Agt. Dept., Washington, D.C. — Sarcia, a.e.
[illegible]

Apr. 16 By E. A. Snow to forward by Hamburg steamer — for Dr. Maximowicz, Address
Imperial Botanic Garden, St. Petersburg, Russia
1 Box, containing Palmer, set 6 as above
" Set 11 "
Curtiss' sets from Florida — 3 bottles
Miscel. plants from Gray Herb. — 2 "
1 Not. Contrib. (Stabler to) Dr. Gray
Sent as charges paid by Dr. Gray — } Act. not kept

[illegible]
Binder, Paper [illegible]
[illegible]
Twine [illegible] Wire.

158

Wright's Cuban lots in garret, Dec. 1878

#9 – 2 bundles = "960 sp."] To Cosson, June 1879
10 " 780 "
11 " 750 "
[12 1 bundle 660 "] Sent Prof. H. A. Ward, Rochester June 1st 1879
8 2 " 253 + 188 sp.

Palms. –
#7*
8
9
10
× Addend to Buchenau – "about 150 sp."] to Cosson, June 1879
× marked separable

Hypericineae
#7 – 169 sp. To Dr. Torrey June 1877 Paid $12.00
9 151 " ~~Schweinitz~~ ——
10 149 " Underwood " 4.50
11 143 " J. D. Smith " " " 11.44
12 ~~147~~
14 134 Prof. Trelease ($9.00) – June 1877 " 4.06
15 137
×
13 141

Orchidaceae
1 Bundle] To Cosson, June 1879

Texan Dorstenia – 1 Bundle – To J. D. Smith – June 1877
Island of Pines plants – 1 Bundle.
San Domingo Collection – To Agric. Dep.t, June 1877